

PLYMOUTH ROCK MONTHLY



JUNE, 1928

SEND *for* NEW, about

The New Buckeye Book Reveals Facts Every Hatcheryman Should Know. Facts Every Poultry Raiser Should Understand. Mail Coupon for Your Copy Today.

YES, the new Buckeye Book will give you some startling facts about the baby chick business. These facts are vital and important to anyone interested in the business. If you are operating a hatchery today, you should have these facts to guide you. If you are raising poultry and want to make more money, these facts will point the way. So whether you are in the baby chick business or not, by all means get the new Buckeye Book. Simply fill out and mail the coupon. We'll send it to you free.

Here Are the Facts

We'll tell you in this book what the past growth of the baby chick business means to you *today*. We'll tell you about the present of the baby chick business, and *what it means*. We'll tell you about

the *future* of the baby chick business. We'll tell you why the baby chick business is *today the biggest money-making opportunity* in the entire poultry industry, just as it was five years ago or two years ago. And we'll tell you why it will continue to be the biggest money-making opportunity for years to come.

Here's What the Facts Mean to You

Think! Right now, today, hatcheries have an untouched market of baby chick prospects that is *four times as great as the number of poultry raisers buying baby chicks now*. We'll prove that fact. We'll prove it by investigations made by state agricultural colleges and experimental stations. We'll show you why hatcheries in existence today would have to do four times as much business as they are doing, or there would have to be four times as many

The Largest
Manufacturers
of Incubators
in the World

Buckeye

All-Electric — Oil-Burning — Gas-Burning

No other incubator can give you all the Buckeye money-making, labor-saving advantages. Mail the coupon for the facts.



Startling FACTS the Baby Chick Business

hatcheries in the country, to completely supply the market for baby chicks.

Learn About New Developments

But that isn't all. We'll tell you why the need for baby chicks must continue to increase. We'll go on and tell you about new developments taking place this year. Developments that definitely assure the future increased demand for baby chicks and the future prosperity of the hatchery industry.

But get all the facts. Write for the new Buckeye Book. Let us tell you in detail why there is no business with opportunities for success as great as the baby chick business today. *Fill out and mail the coupon.* We'll send you the book free.

Amazing, New All-Electric Mammoth

The new Buckeye Book also announces the new Buckeye All-Electric Mammoth Incubator. That's another reason why you want it. It tells why Buckeye produces *results that cannot be gotten with any other electric mammoth incubator.* It tells of amazing Buckeye features found on no other electric.

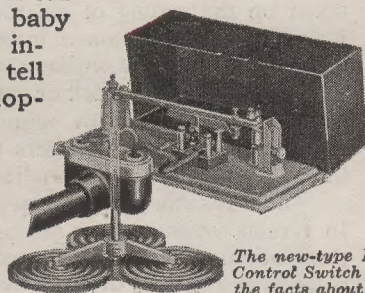
Sensational Hatching Results

No other electric incubator has such an efficient system of ventilation. Buckeye ventilation is the same on warm days as on cool days. There are no gas pockets in the incubating chamber. There are no "hot spots." No "cool spots." Chicks hatching don't need to be removed every few hours to give them fresh air.

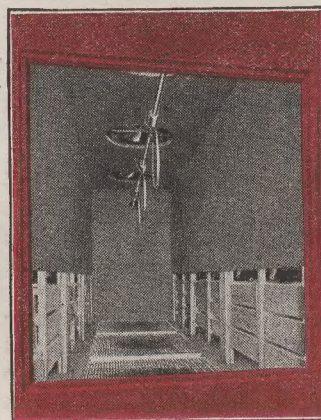
mammoth incubators

Six Sizes. Total Capacity ranges from 1,344 to 16,128

Learn the advantages of Electric Heaters in the top part of the incubator. Get the new Buckeye Book.



The new-type Buckeye Thermostatic Control Switch and Thermostat. Get the facts about them. Write for the new Buckeye Book.



increases hatches and saves work.

No Other Electric So Easy to Operate

There is no other electric mammoth so easy to operate. Buckeye has only one thermometer and only one regulator. They are both on the *outside*. That means heat regulation is quicker and

more certain. It is easier to load Buckeye and take off hatches than with any other electric incubator. Buckeye trays are light—and all the same size. Buckeye is just the right height. Hatching trays are at the *bottom* of the incubator.

But that isn't all. Buckeye is the *only electric incubator especially designed for custom hatching.* Buckeye hatching trays are of the same capacity as the turning trays. They hold all the chicks that come out of the turning trays. These are a few of the reasons why when you use Buckeye once you never want to operate any other electric mammoth.

Mail Coupon for All These Facts

Let us give you all the facts. They are fully explained in the new Buckeye Book. Write for it today. If you are now operating a hatchery, you should have this book. If you are interested in starting in the baby chick business, you should have this book. It will be your guide to greater profits. *Write for it now.* It's free.

THE BUCKEYE INCUBATOR COMPANY
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**This Coupon Brings You
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Buckeye
Book**

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I want to read the new, startling facts about the Baby Chick Business. Send me the new Buckeye Book, free, as offered.

Name.....

Address..... P. O.....

State..... Have you electricity?.....

Do you operate a hatchery?.....What capacity?.....

The Editor Says—

Quality Must Receive More Consideration

Everywhere we go, whether it be local meetings, conventions, called meetings or in visiting individuals, we are met with the demand that better quality must be produced. That is the great call that is going up from the thousands and thousands of baby chick buyers. Hatcherymen are taking up the cry that they must hatch and ship out better quality chicks. Now that this particular spring season is near a close, it is time to do some thinking and to put our house in order. Poultry raisers, whether they be farmers, back-lotters or urban town folks, will realize very soon that there is a very great shortage of poultry this year in these United States of ours. Not only is there a shortage of poultry being raised, but at this time there is just about two-thirds as many eggs and pounds of poultry meat in storage as a year ago. There is just about one-half as much as two years ago. You can all imagine just what that will mean when the first frosty mornings of fall reach us.

Poultry business, like nearly all lines of business, may be pretty quiet through the summer but when fall and winter comes along the poultry industry is going to climb back to greater heights. The poultryman who has kept quality as his goal is going to reap the benefit because quality is going to be demanded more than ever before.

There is going to be a great baby chick campaign, and in that campaign quality baby chicks will be stressed. Hatcherymen have come to realize that quality chicks are going to be demanded and that means that those who furnish eggs for hatching will have to pay more attention to the quality of their flocks. It means that better quality chicks cannot be produced from the same quality of the flocks. In other words, there cannot be any changes in the quality of chicks unless there has been a change in the quality of the flocks that are producing the eggs that are to furnish the chick. To hatch and send out better quality baby chicks means that every hatcheryman will have to see to it that the eggs that he is getting must come from better quality flocks than in past years. That brings us back to the breeders of Standardbred poultry who have spent years of effort and time in breeding high-class flocks. These are the people that must be looked to for the stock that will make better quality flocks to produce better quality eggs that in turn will produce better quality chicks. The day of thinking only in terms of how many thousands can be hatched and shipped is over. The time is here when the first consideration must be given to quality.

You just cannot expect better chicks unless your eggs come from better poultry.

Today and a Year Ago

Government market reports show that there are approximately—

Now in storage..... 2,482,000 cases of eggs

One year ago..... 3,176,000 cases of eggs

Two years ago..... 4,872,000 cases of eggs

Government market reports show that there are approximately—

Now in storage..... 38,437,000 lbs. of dressed poultry

One year ago..... 55,693,000 lbs. of dressed poultry

Two years ago..... 82,732,000 lbs. of dressed poultry

Yet many insist on believing that there is an excess of poultry and eggs in the country. History repeats it-

self, they say, and so within the next few months we are due to an awakening of higher prices on fowls and eggs. The poultry raisers of the country should be prepared to take advantage of that situation for it is an assured fact that the farmers, as a class, who raise the great majority of poultry, will not realize the situation until it is too late and it is this condition that will benefit those who are prepared.

Modern Helps Make Poultry Raising Easy

You have often heard the remark, "there is no money in poultry." Tracing it back you will find in practically every case that the person making the remark has been "burnt." In past years, hundreds, yes thousands, have taken up the raising of chickens. They had pictured a rosy picture of life on a little two- or three-acre farm near the city; a few chickens, just a few that would require practically no work or care but would be the source of sufficient income to support the would-be chicken raiser. These chicken raisers tried it, but sad to relate their dreams did not materialize.

There is money in poultry—today more so than ever. In former years poultry raising was a rather haphazard proposition. Fifteen years ago about the only brooder stove to be had was the lamp brooder. How many would use the dangerous lamp brooder today? At the same time there was only one advertised poultry feed on the market; fountains and feeders were almost an unknown quantity. Fifteen years ago the poultryman had to mix his own feeds, fuss around with the lamp brooder, with a more or less efficient incubator and other hodge-podge apparatus. His poultry houses were built in all shapes and dimensions with little or no attention paid to ventilation or sanitation.

Today all this has changed. For instance, compare the modern efficient and safe brooder of today with its mate of even five years ago; compare the foolproof incubator of today with its predecessor. Both can be counted on as a thing of absolute regularity where ordinary good attention is given it.

Countless feeders, fountains and handy appliances for the poultry house are on the market today. The feeding and watering of the chickens has been made a mechanical task. The modern poultry feeds, prepared by experts, make correct feeding child's play. Compare the resultant vitality, growth and production of the chickens with former years. Explicit directions go with the feed and the appliances. And should difficulty of any kind be encountered, the feed manufacturer, the incubator manufacturer, etc., has a staff of practical service men, experts in their line, who will render assistance a few hours after being notified.

And do not forget the remedy manufacturer. What amazing strides he has made; think of the countless chickens that have been saved through his efforts. The remedy man of the poultry industry has become an institution!

Today it is almost impossible to err with poultry raising if the would-be poultrymen will refrain from experimenting with his own ideas of building houses, mixing feeds, remedies, etc. He may succeed, but the chances of doing so are small. Why even attempt it when he can follow the rules and advice of the experts in the employ of the big company, most of whom have spent the greater

portions of their lives studying and experimenting on one phase of poultry culture? Of course, if the cost were prohibitive it would be different, but it is free or at most a merely nominal cost. The product, too, of the manufacturer, results and other things being taken into consideration, is by far the cheapest and best in the long run.

Most every failure today can be traced directly to negligent and often willful disregard for the advice and rules which are freely available to all today.

—P— WHEN BABY CHICKS BECOME UNRULY

Baby chicks, like children, sometimes fall into bad habits. Then, too, like children again, baby chicks are often not responsible for their bad habits, but those in charge of either the chicks or children have used some improper method in handling and controlling the chicks or the child. Chicks do not need coddling or babying too much. True, they should have proper warmth, clean quarters and proper food. Yet, at the same time, many chicks are spoiled by the care taken of them—overfeeding, improper feeding, over or under heating or neglecting them in some way. Neglect always brings chicks serious trouble.

Chick Bowel Troubles

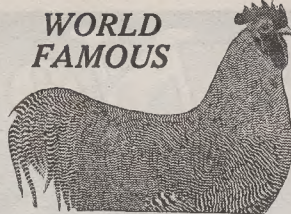
Perhaps the most common complaint you hear among chick raisers is complaints about bowel trouble and diarrhea. Much of the bowel trouble and diarrhea is caused by improper feeding, faulty brooding and poor care and neglect.

It is true that there is a diarrhea that is contagious and known as bacillary white diarrhea. This trouble is largely the fault of the caretaker of the chicks. It is now well recognized that white diarrhea is spread through filth or droppings from contaminated chicks. This means that if the chicks are kept in a strictly sanitary condition there will be very little diarrhea among them even though there may be one or two chicks in the lot that have some tendency to diarrhea.

Many chick raisers have been scared into believing they have white diarrhea when the whole trouble was in wrong feeding and handling of the chicks. Chicks that are chilled or allowed to eat filth will take diarrhea. Yet on the other hand, chicks that are even contaminated with white diarrhea will live and grow if they are kept sanitary and given conditions that are all reasonable and correct. To keep bowel trouble out of the flocks, see that your brooder stove is the correct temperature, that it is not too hot, nor that it does not go out in the night and the chicks become chilled.

Huddling or Piling Chicks

Another very common trouble among chick raisers is that of huddling under the brooder stove or piling in the corners of the house. More often the huddling is caused for want of sufficient heat in the building, or else the chicks at some time have become chilled. No amount of heat will keep them from huddling, if once seriously chilled. They can be prevented from gathering in the corners by turning the corners with wire fencing (Please turn to page 547)



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America's Supreme Poultry Creation. World's most profitable chickens. (1) PROLIFIC LAYERS—up to 331 eggs in one year; (2) MOST BEAUTIFUL PRIZE WINNERS at world's foremost shows; (3) Premier Table Fowl. All these qualities assured to you in the same birds—HOLTERMAN'S FAMOUS "ARISTOCRAT" BARRED ROCKS!

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Be wise! Be foresighted! Plan now for the coming year and its greater opportunities. The field is wide open—only 25 per cent of all chicks are produced in commercial hatcheries. The "better-than-ever" NEW Smith 52,000 is the real key to a genuinely successful business.

**Built
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Better Hatches

The Smith system of incubation, with all essential factors automatically controlled, produce uniformly high percentage hatches—it makes the most of every egg.

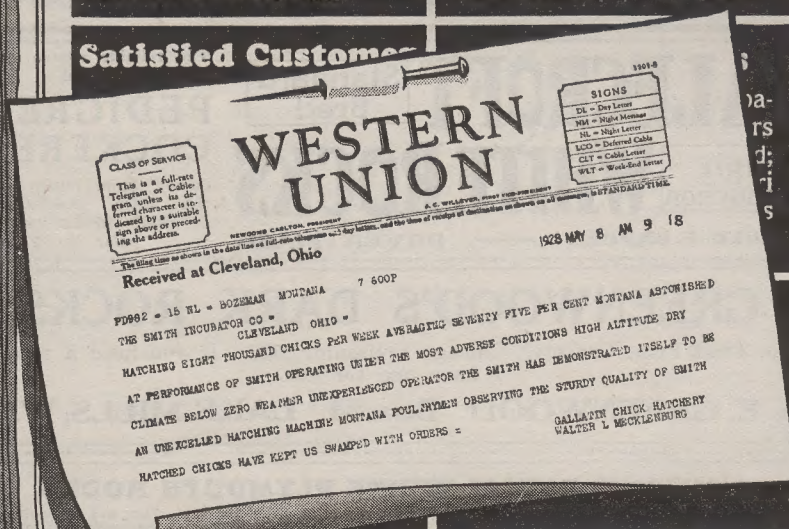
Stronger Chicks

The abundant supply of fresh air and oxygen in the NEW Smith 52,000 puts extra strength and vigor into Smith Hatched Chicks. They *live and grow*.

Bigger Profits

Practical poultrymen realize greater profits from chicks that are hatched right. That is the big reason for the strong and growing demand for Smith Hatched Chicks.

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AT PERFORMANCE OF SMITH OPERATING UNDER THE MOST ADVERSE CONDITIONS HIGH ALTITUDE DRY
CLIMATE BELOW ZERO WEATHER UNEXPERIENCED OPERATOR THE SMITH HAS DEMONSTRATED ITSELF TO BE
AN UNREBELLED HATCHING MACHINE MONTANA POULTRYMEN OBSERVING THE STURDY QUALITY OF SMITH
HATCHED CHICKS HAVE KEPT US SWAMPED WITH ORDERS -
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I enclose 25c for a 9-month introductory subscription to Poultry Tribune, starting with June issue.

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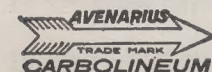
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A soothing intestinal antiseptic for prevention of white diarrhea and intestinal disturbances in chicks. Large package \$1.50, small \$1.00, postpaid. Guaranteed.

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KNOB ROCK POULTRY FARM FINE WHITE ROCKS

Wonderful layers—official record up to 275. Superior show quality. Last season showed 31 birds, 28 won. All with different birds. Hatching eggs at half price now. Breeders for sale at \$3.50 and up to \$5.00. Breeding pens mated to suit.

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ROUTE 1

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A comprehensive 342-page book in cloth binding, by Dr. B. F. Kaupp, one of our greatest authorities on poultry diseases, \$3.00 per copy.

Waverly, Iowa

Gizzard a Great Blessing

Geo. H. Lee Tells How Odd Organ in Chickens Provides the Way to End Intestinal Worms

By HARRY KNUDSEN, Sec'y Nebraska State Poultry Ass'n.

MY attention was first attracted by the odd name, Gizzard Capsule. I noticed it was a "new invention," and was for "worms in poultry."

That interested me. Like most poultry raisers, I know that when my hens are lazy or my young birds are not putting on size and weight I can find the trouble nearly always in the intestines. I know, too, that it's not an easy matter to get rid of intestinal worms.

It said this new invention is an insoluble capsule. All the more interesting. Ordinarily, a capsule is intended to dissolve readily. This Gizzard Capsule does not dissolve at all. I had to find out about it.

Right at the outset it was encouraging to note that the Gizzard Capsule is an invention of Geo. H. Lee. For years and years I have used his Germozone for diarrhoea and bowel trouble in both baby chicks and grown fowls. It's the best remedy I know of. I've had the best of success also with Lee's Liquid Lice Killer, and his wonderful flu remedies Flu-Koff Emulsion and Vapo-Spray. So I was prepared to hear a logical, common-sense reason for an insoluble capsule worm medicine.

When Mr. Lee explained it to me I wondered why someone had not thought of it before. I gave the Capsules a thorough test, and they acted on my birds exactly as he said they would. But the interesting thing is the reason for it all. I shall try to tell it as Mr. Lee explained it to me.

"You have given various worm medicines to your fowls," began Mr. Lee. "No doubt some of them got some of the worms. But you know that none was very satisfactory."

I agreed. It is a practice of mine to "post" a chicken after worming my flock, to check up on the medicine. No worm medicine ever got the worms as I thought it should.

"The medicine that got the most worms was the medicine you had to force your chickens to take," continued Mr. Lee; "and you didn't like that medicine because often it threw your chickens off feed for awhile, slowed up egg production, perhaps affected fertility."

Again I agreed. It had gotten so I almost dreaded to try to worm my flock.

"Consider, for a moment, Harry, the alimentary tract of a fowl," went on Mr. Lee. "To begin with, there are no teeth. Down the throat aways is the crop, which is merely a hopper to hold feed. Farther down is the glandular stomach. Next comes the gizzard, which is a mus-



GEO. H. LEE, "The Chicken Doctor"
Inventor of the GIZZARD CAPSULE

Mr. Lee regards the Gizzard Capsule his greatest achievement. Nearly ten thousand dealers — drug stores, feed stores and chick hatcheries sell them and he fills many orders direct. They are suitable for chicks at ten weeks (2 lbs.) to full grown, and are put up in 50 capsule packages, \$1; 100 capsules, \$1.75; 500 capsules, \$7—postpaid. —Samples free to any poultry raiser upon request.

EASY TEST WITHOUT RISK

Mr. Lee offers to mail a dollar package (50) of Gizzard Capsules to any owner of fifty or more half-grown or mature fowls, if they will state how many birds they have; agree to use the capsules at once; and remit a dollar after one week; if entirely satisfied.—Address Geo. H. Lee Co., 350 Lee Bldg., Omaha, Nebr.

cular organ whose function is to grind up the food.

"Now we come to the intestines, and worms. All of this tract and those organs to pass through before the medicine can reach the worms. The worms are living things. It takes a poison to get them. They are living things within a living thing.

"There are Round worms, Tape worms and Pin worms — three separate and distinct kinds of worms. It takes a

different kind of medicine for each kind of worm. You don't want to bother with giving worm medicine three different times. So you give a combined medicine which should be powerful enough to get all three kinds of worms.

"What do you suppose such a medicine does to the delicate membrane lining of the mouth, throat, crop and glandular stomach? How do you suppose a chicken feels when poison is mixed up with its food and the fluids in its stomach? Is it any wonder you had to force the best medicines down their throats? Nature rebelled.

"Given in an insoluble capsule, medicine cannot come in contact with the membrane lining. No danger of injury. It cannot mix with the stomach juices. No illness. For instance, a dose of medicine sufficient to rid a fowl of round worms will seriously sicken the fowl, throwing it off feed or laying. Twice as much will kill the fowl. Yet, I have given five times as much in the Gizzard Capsule without any sickening effect whatever. There is almost no absorption of poisons in the gizzard or the intestines.

"With the Gizzard Capsule we most effectively, as well as safely, worm the chickens. We give at one time a medicine for each kind of the worms. We give enough of each medicine to do the work. Until crushed by the gizzard, at the very entrance of the intestines, this capsule retains all of the medicine. The correct dose, undiluted and in full strength, reaches the worms."

Now isn't that interesting? Think how long the peculiar anatomy of a chicken baffled the best efforts against intestinal worms. Then the gizzard, that misplaced organ of mastication, provided the way! All that was needed was this simple invention, the Gizzard Capsule. But it took a master mind to think of that.

Some day we will miss Geo. H. Lee, the "chicken doctor," the man whose sensible advice we so long ago learned to heed. Some day Geo. H. Lee will pass on. But his work will long remain a monument to his memory.

PLYMOUTH ROCK MONTHLY

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WAVERLY, IOWA, JUNE, 1928

NUMBER 10

Partridge Rocks in New England

By L. C. Allen, Sanford, Maine

PARTRIDGE Plymouth Rocks were first bred in the West as early as 1898 and in the East the following year. They were admitted to the American Standard of Perfection in 1909 and soon were acclaimed as one of the best all-purpose fowl in existence. From about 1910 to 1915 two distinct club organizations boosted Partridge Rocks, the American Partridge Plymouth Rock Club and the International Partridge Plymouth Rock Club. About 1915, however, they became consolidated under the name International Partridge Plymouth Rock Club. The club continued with a moderate membership roll of a hundred members, more or less, and in 1923 a re-organization took place which stirred up fresh interest in club welfare. At the present time the club has energetic and capable members in every part of the United States and a few other countries who have the permanent welfare of the breed and the club at heart. Our present constitution needs some attention to give us the most efficient organization and our present club president, Roy Armitage of Elizabeth, Ill., is now working on plans to give us the organized basis upon which we may work and build in the most progressive and most permanent way. It is astonishing to note that in the past so few district and state meets have been held.

New England Partridge Rock breeders in recent years have shown an unprecedented interest in boosting the breed, with very gratifying results. Let us peer hastily into early Partridge Rock doings in New England. Pioneer Partridge Rock breeders in Maine were George W. Chaffee of South Portland; the late Hon. Fred J. Allen and his son of Sanford; Henry L. Hunton, Esq., of Oakland; and Widgery Thomas of Portland. No doubt there were others, also. In New Hampshire our five veteran breeders from Keene—Burley, Wilcox, Dean, Heaton and Russell—keep Partridge Rocks right at the top of the ladder. George S. Buxton of Bellows Falls and Mrs. Jessie E. Carleton of Williamstown are two seasoned breeders in Vermont. We now have some real enthusiastic Vermont breeders. In Massachusetts during the decade, 1912 to 1922, the following were prominent Partridge Rock breeders: George H. Hendry, Mattapan; Glenwood Farm, West Mansfield; Paul Klingbeil, Walpole; and Frank O. Shepardson, Mansfield. More recent breeders in Massachusetts are now doing good work there. C. A. Browning of Apponaug and, more recently, Robert Halford of Riverside have held up Partridge prestige in Rhode Island. Mrs. A. P. W. Heath of Stonington was for many years our leading Partridge Rock booster in Connecticut. Now we have a number of real boosters there. Charles N. Beggin of Edmundston is our pioneer Partridge Rock breeder in New Brunswick and he is making real progress.

The first organized Partridge Rock Club Meet in New England was held at the Marlboro Poultry & Pet Stock Association Show in Keene, N. H., Dec. 1, 2 and 3, 1926. This was the first Annual New England District Meet of the International Partridge Plymouth Rock Club and was under the successful direction of L. H. Dean of Keene, N. H., vice president of the club. In a class of ninety-one Partridge Rocks, with J. H. Woodward of Tyngsboro, Mass., as judge, the awards were well distributed among: Burley, Russell, Dean, Heaton and Wilcox of New Hampshire; Logan of Massachusetts; and Allen of Maine. The following month at the National Meet of the Club at the Boston Show, a scheduled meeting of New England Partridge Rock breeders was held in Mechanics Hall on Saturday afternoon, Jan. 1, 1927, at 3:00 p. m. At this meeting a permanent New England district organization of the International Partridge Plymouth Rock Club was established. H. H. Burley of Keene, N. H., was unanimously chosen district chairman while L. C. Allen of Sanford, Maine, was unanimously elected secretary-treasurer for 1927.

The Second Annual New England District Partridge

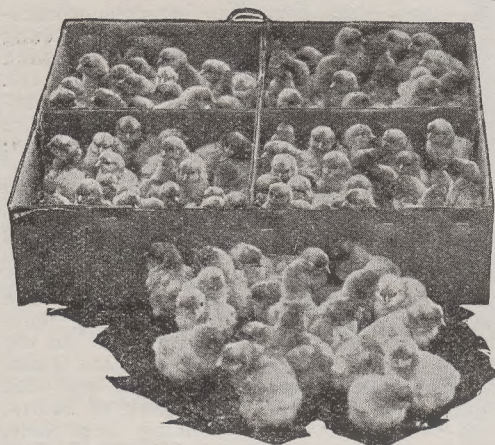
Rock Meet was held at the Maine State Poultry Show, Portland, Maine, Dec. 13, 14, 15 and 16, 1927. Over \$350 in prizes (cash, trophies, settings, merchandise, etc.) was distributed on the Partridge Rock classes. Donations to the prize fund came from boosters in Pennsylvania, Michigan, Alberta, Canada, New Brunswick, North Carolina, Indiana, Iowa, Illinois, Tennessee, Massachusetts, New Hampshire and Maine. One hundred and twenty-two Partridge Rocks—nine cocks, seventeen hens, ten cockerels, twenty-three pullets, five old pens and five young pens—were entered at this meet by the fifteen following exhibitors: Logan; Beau-Site Farm (Allen); Burley; W. F. Worcester, Old Orchard, Maine; Heaton; Valley; Russell; A. J. Keniston, Carmel, Maine; J. A. Southwick & Son, Blackstone, Mass.; Lord; Wilcox; Dean; Halford; Smith; and Dr. W. J. Pirie of Springville, Iowa. A severe western blizzard prevented Dr. Pirie from sending his entries. J. H. Drevenstedt of Northport, N. Y., judged the meet. Logan won best display with twenty-one points; Beau-Site Farm (Allen) won second best display with twenty points; Burley, third best display with 11 points; and Worcester fourth best display with six points. The prizes were well distributed, no exhibitor getting more than one first prize in the Standardbred classes. In the Utility classes—all varieties of Plymouth Rocks and Javas competing—Partridge Rocks practically swept the deck under the judging of Prof. W. F. Kirkpatrick of Storrs, Conn.—the Beau-Site Farm entries winning first male, first and second female, and second pen. Keniston's first hen was declared by the judges in conference as the best female in the show. Partridge Rocks proved to be the largest and best exhibit in the entire show, and there were 2500 birds, covering 200 varieties, in the show. At the District Club Meeting, Burley and Allen were respectively re-elected district chairman and secretary-treasurer for 1928. Those present at the business meeting at the Exposition Building Wednesday, Dec. 14, 1927, at 3:00 p. m., were: Burley, Wilcox, Russell, Heaton, Logan, Lord, Smith, Valley, Allen, Barraclough, Southwick, Keniston and Worcester. Maine cider was sampled right off the press.

The pronounced success of our Second Annual District Meet served as a sort of silent harbinger of still greater Partridge Rock progress to come in 1928. A splendid colored illustration of an ideal Partridge Rock male and female by Artist L. A. Stahmer appeared in the February issue of Poultry Tribune, which gave rise to fresh interest in Partridge Rocks by the public at large. Captain Burley's 1928 calendars reveal some spry Partridge chicks and he reports a nice lot of genuine ones hatched early, as also do other New England breeders. Already the district members have chosen the Athol, Mass., Show for our Third Annual District Meet and F. G. Cook of Waltham, Mass., as judge at this meet to be held Dec. 20 and 21, 1928. So it is little wonder that greatly increased interest is shown in this beautiful and useful variety. The demand for Partridge Rocks—whether stock, eggs or chicks—exceeds the supply in all parts of the United States, and especially here in New England. At this writing, April 23, 1928, over \$150 in cash, cups, settings, stock and merchandise has been pledged as prizes for our Third District Meet at Athol next December. It is confidently expected that loyal Partridge Rock boosters will increase the prize fund to \$400, or over, and that the entries at the meet will exceed the 300 mark, with awards down to tenth place or higher in each class. Everything now points to a record-smashing Partridge Rock meet at Athol next December. Competition will be open to the world, without any red tape whatever—the district members have so voted.

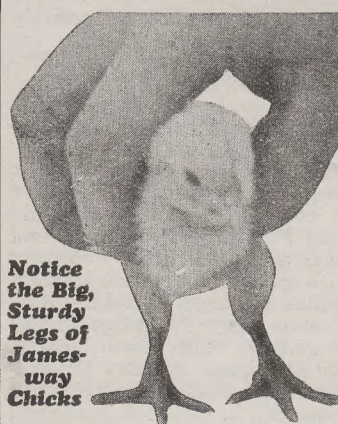
The Maine Partridge Rock breeders have voted to hold what will be the first annual Maine State Partridge Rock Meet at the Maine State Poultry Show in Portland, Dec. 11-14, 1928. Some of our newer Maine enthusiasts, such

Why Business Is Good With

Jamesway Hatcherymen



Demand for Jamesway Hatched Chicks Never Better



Notice
the Big,
Sturdy
Legs of
James-
way
Chicks

While the hatchery business as a whole has been "off" this season, Jamesway Hatcheries report business is good with them. Quoting from their letters, they say: "Can sell all the Jamesway Chicks I can produce and more." "As early as Jan. 15th was booked to capacity." "Raised prices and still they sell." "All chicks sold that we can hatch this season."

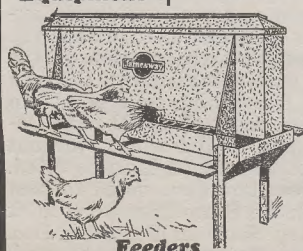
Thus you can see the demand for Jamesway Quality Chicks, even though this season many other hatcheries had to close down, was never better. Jamesway Hatcherymen are cleaning up. Old customers come back for more and also send their friends. Husky, peppy, "easy to raise" chicks that make good layers and broilers find plenty of buyers. That's the kind of chicks that Jamesway Incubators hatch—that's why business is so good with Jamesway Hatcherymen.

Jamesway Rival Old Hen

Jamesway practically duplicates the old hen method of hatching chicks—that's why, as one well known leading hatcheryman says, "We haven't had a poor hatch so far this season and the chicks are as nearly perfect as any hen could turn out."

The Jamesway uses warmth, moisture and life-giving oxygen in nearly the exact way and proportions as used by Nature in incubation. Every egg in pure, fresh air **always**—no dead foul air—no fanning of fuzz, feathers and disease laden germs through the machine—that's why Jamesway hatched chicks are heavy, big boned, bright eyed and full of life and vigor. They are normally hungry—always ready to eat, grow rapidly to maturity with minimum death losses. Their digestive organs are fully developed with capacity to digest the feed consumed. They are disease resistant and easy to grow. Jamesway hatches exactly the kind of chicks that baby chick buyers want—there is always a big demand for that kind of chicks. No wonder business is good with Jamesway hatcherymen.

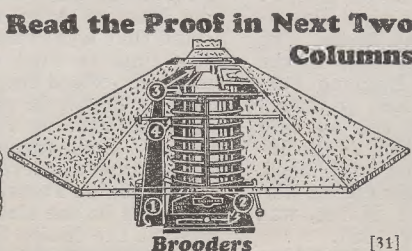
We Manufacture a Complete Line of Quality Poultry Equipment



Feeders



Waterers



Brooders

Read the Proof in Next Two Columns

The Proof

Mt. Airy, Md., April 23, 1928.
James Manufacturing Co.
Gentlemen:

Does quality hatching pay? Well, I know it does. My customers come to my hatchery to buy quality chicks. Why? Because my chicks have a reputation. They are Jamesway hatched—the kind that live and grow. I can sell all the chicks I can produce and more here where chicks are offered for 8c to 13c and I sell none for less than 15c, White Leghorns and all. Jamesway quality does it.

My business is increasing all the time. Last year I ran 1400 capacity with no competition. This year 21000 with competition, and am not big enough yet.

H. S. Beck.

C. R. Wagner

Breeder of
SINGLE COMB WHITE LEGHORNS
Tancred Strain—Trapnested

Mora, Minn., April 21, 1928.

James Manufacturing Co.

Dear Sir:

This is my third season operating a Jamesway Incubator. In that time I never have had a poor hatch. During this time, I have averaged well above 60% salable chicks from total eggs placed in the machine. My last hatch produced 73% salable chicks, which must be considered splendid when other Mammoth incubators in the vicinity have not averaged 30% so far this season.

Our hatchery and breeding plant is located 10 miles from nowhere—back in the woods and as early as last January 15th I was booked to capacity till the last of May without advertising. Jamesway Compartment hatching is fundamentally correct as the chance for infection in the incubator stands on a ratio of 1 to 300 as compared with the large cabinet type machines.

C. R. Wagner.

Pennington Poultry Farm

Hutchinson, Kansas, R. F. D. No. 3.

James Manufacturing Company.

Gentlemen:

I am having very good hatches this season. Although business is quite dull in the poultry game this year I have all I can handle. I am selling quality stock and sturdy chicks and the bad years do not hurt me. I feel that next year will be a big year as there is bound to be a poultry shortage.

C. A. Pennington.

The Miller Leghorn Farm

Breeders of Pedigreed Single Comb White Leghorns

The Two Most Profitable Strains on Earth
Bred Separately

Pea Ridge, Arkansas, April, 27, 1928.

James Manufacturing Company.

Gentlemen:

I just received a letter from a lady wanting some of my Jamesway hatched chicks. She said she saw some of my chicks in the hands of one of my customers and thought they were the strongest and biggest chicks for their age she had ever seen. I will say that the quality of the chicks is as important as the quantity, and it does help sell them.

My customers have extra good success with my chicks and they come back for more. There are two kinds of chick buyers: One class will buy cheap chicks and *think* they have saved money. The other class is the wise buyers who buy quality chicks and *know* they have saved money.

I have extra good hatches from my Jamesway and the quality sells them. I have hatches as high as 171 chicks to the tray.

R. H. Miller.

The Proof

Willow Brook Poultry Farm

Trap-Nested and Pedigreed S. C.

White Leghorns

Member N. Y. S. P. C. A.

Odessa, New York, April 23, 1928.

James Manufacturing Co.

Gentlemen:

I am very much pleased with my Jamesway and the quality of chicks it turns out. Quality is of prime importance. Your incubator produces that quality and hatches every egg that should hatch into a chick, very well fluffed and full of vitality.

I believe the sectional type incubator is the safest proposition, owing to the fact that the ventilation is natural and easily controlled, and the same applies to moisture.

The important features about your machine that I like are—large capacity in small space, easily controlled stove temperature, and very accurate and sensitive thermostat control of the ventilators of each compartment.

Your machine helps me in turning out the quality chicks that is so necessary for a breeding establishment of this kind, and all additional incubator equipment on this farm will be "Jamesway."

Allen H. Bulkley, Prop.

Kime's Poultry Farm

Montoursville, Pa., April 17, 1928.

James Mfg. Co.

Dear Sirs:

You will be interested in the success that I have had with my two Jamesway Incubators. My capacity is 43,000 eggs, as you know. I am able to run these incubators with very little labor. They never need much attention. All we do is to look at the water temperature and know that each compartment is what it should be. The fire only needs to be looked at in the morning and night.

It is nothing for us to get 75% to 80% hatches from our own eggs. This is also true of custom hatching which proves that it is a good incubator. In addition to this, the chicks are large, strong and lively.

The ventilation system in our hatchery is working just fine. We never have any odors in this building. The system pays for itself in one year.

Elmer E. Kime

The Trimble Hatchery

Milasca, Minnesota, April 20, 1928.

James Mfg. Co.

Dear Sirs:

We are glad to write you regarding our James Incubator. We like it better this season even than last summer. We haven't had one poor hatch so far and the chicks are as nearly perfect as any hen could turn out. So many of our customers remark on how large and husky the chicks look. We notice such a difference in the chicks from our small incubators and those from our Jamesway that we are thinking seriously of getting rid of all the small machines as we don't like to give one customer a better chick than another. So far this season we haven't heard of any of our customers losing hardly any chicks.

Harry Trimble, Prop.

Cedar Ledge Poultry Farm

Canton, Pa., April 23, 1928.

James Manufacturing Company.

Gentlemen:

My Jamesway sure has lived up to expectations.

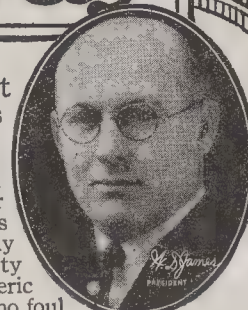
My customers are very well pleased with the quality of chicks I am putting out this year.

I have taken off five hatches with the fine record of 65% of all eggs set. Two of these hatches have run better than 80% of fertile eggs.

H. A. Spalding.

Why Business Is Good With

Jamesway

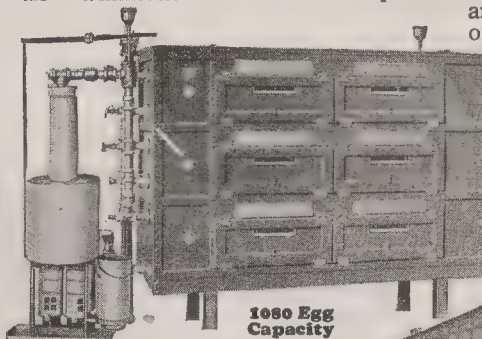


Jamesway business is good — better than last year — better than ever before. The reason is

because hatcherymen have found that with good eggs, Jamesway Incubators hatch big boned, strong, livable chicks which bring repeat orders and create a reputation for **Quality** that means a demand well ahead of your supply. Read the letters at left for proof. Quality goods always prove more profitable to the buyers. When you buy a Jamesway, you have a machine that hatches quality chicks because every egg is always in an ideal atmospheric condition—pure fresh moistened warm air—no drafts—no foul air—a machine with individual compartment control—ideal for custom hatching

and a big factor in preventing spread of disease throughout hatch.

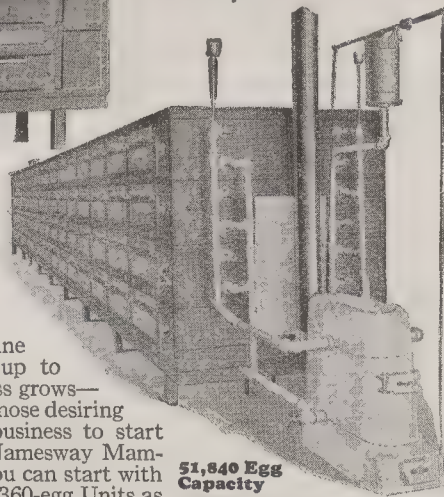
Because Jamesway Incubators have all of these features not possible with other types of machines is the reason Jamesway owners are so uniformly successful in the hatchery business.



It Doesn't Take a Lot of Money to Start with a Jamesway

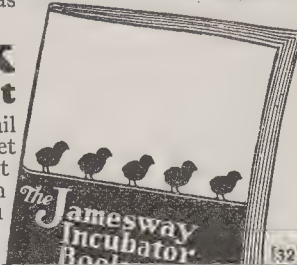
We Have a Plan that Makes It Easy for You

You can start with a 1080-egg Machine and add extra 360-egg Sections up to 51,840-egg capacity as your business grows—Jamesway has made it possible for those desiring to go into the profitable hatchery business to start without investing a lot of money. Jamesway Mammoth Incubators are built so that you can start with a 1080-egg machine and add extra 360-egg Units as you need them.



WRITE FOR FREE BOOK
Learn How We Help You Start

Jamesway opens the door of opportunity to you. Mail coupon today and let us tell you how we help you get started in the profitable hatchery business without investing a lot of money or burdening yourself with a big financial obligation. We will gladly send you full particulars of our plan and proof of the money making opportunities as told by hundreds of Jamesway owners. Write for our catalog and let us tell you how the big successful Jamesway Co. will help you on the road to financial success.



JAMES MFG. COMPANY
Ft. Atkinson, Wis.

Dept. 332
Elmira, N. Y.

Minneapolis, Minn.

Please send me your Jamesway Mammoth Incubator Catalog and complete particulars of how I can start it the Chick Hatchery Business.

Name.....

Address.....

Mail Coupon To Office Nearest You

as Tom Barraclough, Bill Burgess, Mrs. Blake, Roy Bennett, Ringrose and Stevens, are quite apt to be in the running, both at the state and the district meets. The "old-timers," however, are not content to rest on past laurels, but will let their chicks loose in every weed patch and endeavor to "weed out" the path to the "blues" at Portland and Athol next December.

The 1928 New England District Club membership has now reached the total of thirty-one members, a happy increase of eight over last year. The district roll to date is as follows:

Maine—Everett T. Lord, Sanford; Tom Barraclough, Sanford; Beau-Site Farm (L. C. Allen), Sanford; C. E. Valley, Sanford; Roy M. Bennett, Sanford; Mrs. Orland H. Blake (Bay View Farm), Yarmouth; Wm. H. (Bill) Burgess, Minot; W. D. Ringrose, Freeport; Archie H. Farnum, Bryant Pond; William Stevens, Kennebunk; and James Smith, Sanford.

New Hampshire—H. H. Burley, Keene; P. F. Wilcox, Keene; A. S. Heaton, Keene; L. H. Dean, Keene; F. A. Russell, Keene; J. B. Nourse, Lancaster; and W. E. Springfield, Rochester.

Vermont—Mrs. John H. Jay, Northfield; and Jason Harrington, Middletown Springs.

Massachusetts—Marshall Blackman, Needham; Wm. N. Logan, Athol; George H. Farr, East Templeton; Herbert W. Seymour, West Upton; and Clarence A. Hager, Athol.

Rhode Island—R. Halford, Riverside.

Connecticut—Paul M. Edman, Madison; E. S. Edman, Bristol; W. E. Klebes, Sharon; and F. A. Schieldge, South Manchester.

New Brunswick (included in our district)—Charles N. Begin, Edmundston.

From 1913 to 1920 large and strong classes of Partridge Rocks appeared annually at Boston and many other large shows. Fine classes may also be seen each year at Keene, N. H.; Portland, Maine; Athol, Mass.; St. Albans,

Vt.; and many others. It is interesting to recall the real Partridge Rock sportsman of years gone by, but it is of still greater interest to note the amazing strides forward that our favorite breed is now making.

We now have active club members in each of our New England states as well as in New Brunswick, besides many more enthusiastic breeders who doubtless will become district club members ere long. Members of the International Partridge Rock Club who reside in New England automatically become New England district members without any extra dues.

The rich brilliant red surface color of the Partridge Rock male, with his lustrous, greenish-black stripes; and the rich, deep reddish-bay (i. e., reddish-brown) and intense black pencilings of the female—furnish colors and patterns that excel all others in beauty. The Standard calls for medium shades both in male and female, but even light and dark extremes are attractive, especially when evenness in color with clear-cut and uniform markings are to be found. With the egg-laying blood of the Brown Leghorn and Hamburg; the vigor and tastiness of Indian Game or Cornish and Cochin meat; and the beautiful Partridge Cochin plumage but with featherless legs—in its ancestral make-up, we can readily see why Partridge Rocks are becoming so much in demand as an unexcelled all-purpose fowl of medium weight. The graceful lines of the Plymouth Rock with yellow carcass and legs give us the ideal qualities of our distinctly American breed. The Partridge plumage improves with age, requires no washing, does not show dirt, is not easily seen by hawks, and is Nature's own color.

The general superiority of Partridge Plymouth Rocks cannot be denied, and their ever-increasing list of boosters will, in due time, command the attention of all who seek the finest all-around fowl grown. We in New England are now sharing in the sort of Partridge Rock prosperity that our western brethren have long enjoyed.

—P—

Barred Plymouth Rock Is Still a Favorite

By John W. Yant, Canton, Ohio

THE first variety of chicken originated by American breeders—the Barred Plymouth Rock—is still a foremost favorite. Its progress in beauty and utility worth has shown annual gain in the yards of the foremost constructive breeders, despite the fact that it has been criticised for imaginary faults, publication of carrying a false Standard, etc., by those who profess to be its friends. On the other hand we have patient, earnest people equally persistent, devoting their time and talent to future improvement in beauty, combined with the best utility worth.

Like many other lines of endeavor we hear the loudest howl coming from those with a tired feeling, a hazy or lost vision. This class should get off the trail and not hinder those who wish to watch and work for a more beautiful and useful chicken. We ought to be glad for the task we have before us.

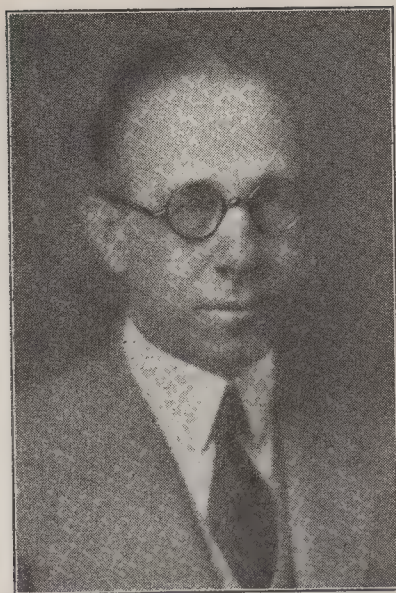
Many think Barred Plymouth Rocks a very difficult variety to understand as to present and future aim for improvement in color. This error should be set aside by forgetting all the bewildering fool names and the load of nonsensical breeding advice that has been going the rounds parrot-like for years, to bewilder the inexperienced. Cast aside all these hazy impressions as being junk and think only in terms of Barred Plymouth Rock as there is but one variety of this useful, beautiful and very interesting chicken. True, we have variations of color to consider in mating and breeding, but not nearly so wide nor one-half so difficult to control as in by-gone years, if your stock has real breeding in its blood lines. Those objectionable features that troubled the variety so much in the past were the excuse for special matings. (But I must detour on this special mating subject at this time. Too many chicks to care for—time needed).

What red-blooded lover of the beautiful and useful

would wish to have monotony of color and destroy future prospects for new beauty as a remedy for jagged nerves produced by this busy machine age. It is a home lover's work, and study of great value that never grows old, this Barred Plymouth Rock variation of color and pattern of bar and we need all this variation for the construction of new beauty. We wish to adorn our favorite to be able to keep pace with the numerous other lines of improvement in beauty and utility worth in the world's work.

Let us Barred Rock breeders not play second fiddle to any other line of endeavor, in developing new values, but ever remember inspiration is still coming to men in poultry breeding work and may the good Lord ever keep us from choking it by demanding easy stuff for temporary gain (we mean by this easy stuff, lowering our present high Standard ideal as some are demanding), as we would have nothing further to work for; disciplinary values would be lost to the breeder and the thrill of new beauty and added usefulness. Why the hurry to end such valuable practice of courage and hope as our present Standard offers us? Any breed or variety of chicken that ceases to grow begins to deteriorate, therefore the greater chance to draw waiting resources should be welcome by all earnest workers.

You may say this article is all about beauty—well, if it were not for the hundreds of chicks, breeding yards, incubators, poultrymen visitors, etc., that requires our time here on our one-man, six-acre Scenic Hill plant, we would be pleased to tell you in this same article how we found, by thirty-three years devoted to this breeding Barred Plymouth Rocks, why we think showroom winnings superior to trap nest records for breeding all around production merit. We mean by all around merit, size, shape, health, animation, growth and egg production. Shall we tell you later? Tell the editor.



H. A. Neurse, the newly elected president of the American Poultry Association. Mr. Neurse has been vice president of this association for the past four years.

CHICKENS NEED OYSTER SHELL

In order to get the most from your chickens oyster shell is an absolute necessity, not only for laying pullets and hens but also for chicks. In addition to being an important egg shell maker it also supplies the lime and calcium carbonate which is necessary to keep the chickens growing and in the best of health. It is a great aid in building the bones for chicks and as a mineral food assures a sturdy flock. If you want your chicks to grow well—if you want the females to lay the maximum number of good shelled eggs—then you should keep oyster shell before them at all times. As a rule a fowl consumes only from two to three ounces of the shell a year so it is one of the cheapest and best investment that can be made.

Oyster shell usually comes in two grades, a fine crushed grade for chicks and a coarser grade for the grown birds.

P

CULL COCKERELS OUT NOW

By the time this article reaches you it will be time to cull out your earliest cockerels and fatten and sell them. You should have some of the very earliest hatched cockerels for breeders for next year. Do not save the late hatched cockerels as they will not be mature enough to breed from. If you breed from immature cockerels or pullets, for that matter, the chicks hatched from their eggs will be weak and many times hard to raise with a heavy death rate. Select the cockerels that develop rapidly, that are square across the back, that crow early and that develop a comb and a masculine head early in life. He should stand square on his feet, and be developing masculine feathers. Cull out the weak cockerels, fatten them and sell them for table purposes. The weak cockerel is the one with a crow head and neck due to the fact that it is sexually weak and not developing his masculine traits as soon as he should.

TODAY.. Newtown's Hatching Ability Will Bring You Greater Success

NEWTOWN has made money for more Hatcherymen than any other SECTIONAL-TYPE Incubator. GET THE FACTS. Mail the Coupon!



Here is a view of Newtowns in the hatchery of W. L. Allen, Creston, Iowa. Read what Mr. Allen says, "Our experience proves that Newtown is the machine to use for a big success in the baby chick business."

YES, you can make more money hatching and selling baby chicks. Mail the coupon and we'll show you how the Newtown Giant Incubator makes success easy and certain. We'll show you what Newtown ownerseverywhere are doing, and how you can do as well.

Look at These Successes

Think! E. O. Newport, Tangent, Oregon, sold 180,000 chicks in 1927. He secured an average hatch of 80%. And as early as March 25, 1928, he had sold his entire output for the season. W. J. Buss, Wooster, Ohio, increased his Newtown hatching capacity from 4,200 eggs to 110,000 eggs, due, as he says, "to the excellent quality of chicks produced by Newtown." Hundreds and hundreds of other Newtown users made good money last season.

See What Newtown Offers You

And now, Newtown offers this same success to you. No other sectional-type incubator can give you Newtown's double automatic temperature regulation. No other can give you Newtown's ideal moisture—always enough, never too much. No other can give you Newtown's controlled ventilation for each individual section. And Newtown's principles of incubation combine to give you the results you must have today to make the big money—chicks of superb quality, extra big hatches, and ease and economy of operation.

Easy to Start with Newtown

Whether you are operating a hatchery today or not, you can so easily have these exclusive Newtown advantages. You don't need large capital—for you can install Newtown on easy terms. Nor big hatching capacity—for you can start with as little as 600-egg capacity and add new units as your business grows. Nor experience—for we tell you everything you need to know to start.

Send for FREE Newtown Book

Write for our big Newtown book and get all the facts. See how Newtown makes custom hatching easy and more profitable—how easily and quickly eggs are turned—how eggs never need to be touched by hand after once placed in the machine—how nursery trays automatically care for chicks and save work on hatching days. See how Newtown paves the way to big success, whether you operate a hatchery today or not. Don't delay. Send for this book now. It's free. Mail the coupon.

NEWTOWN GIANT INCUBATOR CO.

585 Warder Street Springfield, Ohio

Factories:

Springfield, Ohio, and Harrisonburg, Virginia

NEWTOWN

GIANT INCUBATORS

Made for single, double, and triple-deck installations. Capacity in one machine ranges from 600 eggs to 36,000 eggs. Start with any capacity—and add 600-egg units as needed. Can be equipped with coal, gas or oil-burning heaters.



NEWTOWN GIANT INCUBATOR COMPANY, 585 Warder Street, Springfield, Ohio
Gentlemen: Please send me FREE your big Newtown Book.

Name.....

Address..... P. O.....

State..... Have you electricity?.....

Are you operating mammoth incubators?..... What capacity?.....

BRADLEY BROS., LEE, MASS. BARRED PLYMOUTH ROCKS **WIN**

First Prizes at Madison Square Garden Shows, Beginning 1892 and including 1928
For Sale—Some good, husky males, both Light bred and Dark bred, \$10.00 and \$15.00 each and upwards. Bred from our New York Show Winners. Females same rates



One of Our Lee Belles

EGGS FOR HATCHING

\$15.00 per 15, \$20.00 per 22, \$25.00 per 30, \$30.00 per 38, \$40.00 per 50, \$75.00 per 100.

All from Selected Matings, made up of an exceptionally Fine Lot of Breeders, which are sure to produce particularly valuable results.

We will try to make every shipment such as should prove a good investment for the buyer, and we believe we have the pens with which to do this. Orders should be booked at once. We make small matings—merit rather than numbers—hence egg supply is limited.

We ship safely and with good results, even across the country. Also to foreign points. (No Baby Chicks for sale.)

BIG REDUCTION FOR JUNE. Our breeders for sale at close of the season—an unusual opportunity for purchasing extra good stock.

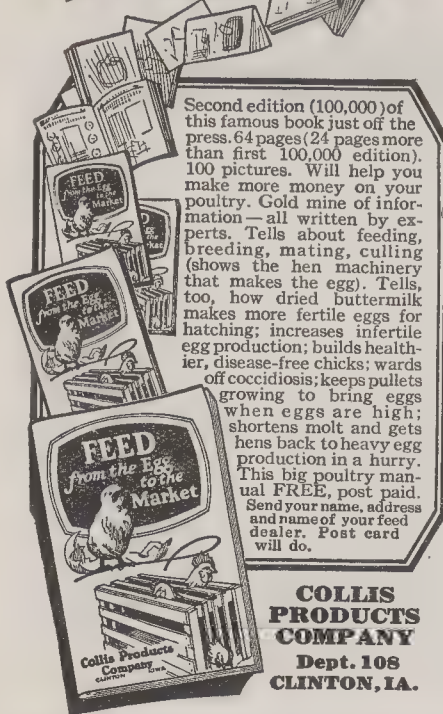
CIRCULAR

BRADLEY BROS.

BOX 2

LEE, MASS.

FREE



Second edition (100,000) of this famous book just off the press. 64 pages (24 pages more than first 100,000 edition). 100 pictures. Will help you make more money on your poultry. Gold mine of information—all written by experts. Tells about feeding, breeding, mating, culling (shows the hen machinery that makes the egg). Tells, too, how dried buttermilk makes more fertile eggs for hatching; increases infertile egg production; builds healthier, disease-free chicks; wards off coccidiosis; keeps pullets growing to bring eggs when eggs are high; shortens molt and gets hens back to heavy egg production in a hurry. This big poultry manual FREE, post paid. Send your name, address and name of your feed dealer. Post card will do.

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PRODUCTS
COMPANY**
Dept. 108
CLINTON, IA.

White Plymouth Rocks

My Rocks are Layers, Winners and will make money for you. Write for special summer bargains.
MRS. LOUISA WHITE, Box M, Washington, Illinois

American White Plymouth Rock Club

ADAM POLTL, Hartford, Wis.,
President

M. L. CHAPMAN, Robinsville, N. J.
Vice President

J. W. SOUTHMAYD, Salina, Kans.
Secretary-Treasurer

Secretary's Notes

Listen to this! In the May issue of the Everybody's Magazine, editorially speaking of the baby chick situation they say: "A great many hatcheries report a strong demand for the American class as compared with reduced orders for the light breeds. We visited a large hatchery last week where the demand was at least 65 per cent for Plymouth Rocks and other American breeds with comparative small orders ahead for Leghorns, etc. Other



GERALD G. SANDERSON

Business Manager of the DIXIE POULTRY JOURNAL for the past four years, and one of the founders of that publication, who leaves on June 1st to become associated with L. H. Mitchell, National Advertising Representative, with headquarters in Chicago.

Mr. Sanderson will continue to keep in close touch with his many friends in the poultry and allied industries, as the DIXIE is represented by the Mitchell organization, in addition to the WAVERLY FOUR and several other leading poultry papers.

hatcheries report about the same demand as compared to the light and heavy breeds which is a direct reversal from last year's demand which ran a heavy balance for Leghorns. They say everything runs in cycles and I think it is clearly evident that the big parade is about to pass our way."

Where do we go with our national meet this year? We should decide on this right away so that we will have time to give the meet the publicity. Some think the meet should go somewhere in the east this year while others think the show should be held as near the central portion as possible. I will be glad to have propositions at this time from any section that would like to hold the meet. Let's hear from some of you divisional secretaries; can you get us a proposition?

After reading Mr. Terveer's article in last month's Monthly I was sure I was going to have a big speech from President Poltl for you, but up to date his speech has not been sent in. You know, Bro. Poltl, it is usually customary after a nice boost like that. Well, if you are not willing to talk you can buy cigars.

Why is it we see so few pictures of White Rock hens that have made high egg records. I would like for all of you members to send me kodak pictures of any official record hen you have owned or now own, if you have the hen and do not have the kodak borrow or rent

Less Than 2¢ Per Running Foot
I'll Save You Money on Poultry Fence and Poultry Netting
Write now for my new 1928 catalog.
Before you buy get my Factory Freight Paid Prices—lowest in 15 years for Farm Fence, Lawn Fence, Gates, Barb Wire, Steel Posts, Roofing, Furnaces, Cream Separators, Paints, etc. My catalog is free. All products guaranteed—24 hour shipping service.—Jim Brown. **THE BROWN FENCE & WIRE CO.** Dept. 4231, Cleveland, O.

WHITE ROCKS

If You Want the Very Best
YOU CAN GET THEM HERE!



Twenty-three Grand Champion of Entire Show awards in District and State Meets. Single birds, mated trios or pens at fair prices. Have a nice lot of youngsters that will be ready to win the early shows.

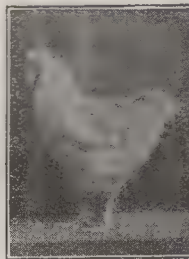
J. W. Southmayd
Specialty Breeder
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**BARRED
PLYMOUTH ROCKS
LADY
BEAUTIFUL
STRAIN**

Won Best Display at Madison Square Garden, 1928. Breeders and Show Birds, both Cockerel and Pullet Matings ready at all times. Write for Free Art Catalog.

C. N. MYERS
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HANOVER, PA.



25 Years 25 Years
**SUNKIST
Buff Rocks**
None Better
EGGS

\$10.00 per 100. A few fine Hens for sale, \$2.50 each.

C. O. DILLINGHAM
Sullivan - Indiana



**HAYWARD'S
White Plymouth
Rocks**

Superior show winners and profitable producers. Big framed vigorous, farm reared stock.

W. F. HAYWARD
SOUTHVILLE - MASS.

LICE AND MITES

Easily Exterminated and Prevented
NO SPRAYING—NO DUSTING

The vapor from

VAPO-EX

is destructive of insect life but harmless to poultry. Send \$1.00 for 3 Vapo-Ex and drive the insects out of your houses.

VAPO-EX CO.

Villa Park - - - Illinois

one and get me a picture of her. I have something in mind that should be both interesting and instructive.

I have a nice letter from the Iowa state secretary, M. D. Mills, regarding the placing of their state meet. If you intend holding a state meet now is the time to get busy on it; for goodness sake do not wait until all the correspondence necessary must be done by wire and no earthly chance to give it any publicity. Better not have any. The club will not be financially able to make any cash or cup specials for state meets this year, so please do not ask for them unless you show twenty new members to the club. We will give a loving cup for any state meet that brings in twenty new members.

Mr. Mills reports an unusually good business this spring and that his traps has produced a pullet with 157 eggs at this time.

He also says he has several club ribbons coming, says he wrote Mr. Byers about them over six months ago and has not heard from him yet and wants to know what he should do now to get them. In this connection we have a number more requests for ribbons and if there are others please write me, for every member should have the ribbon he is entitled to. I have just received the supplies from Mr. Byers and there were no ribbons among them, so as soon as I find out just how many are needed I will order them. In writing me on these ribbons please state at what show your win was made and the award, whether male, female or pen.

Mary Morgan Smith, Harold F. Barber and Dr. Geisel are on the honor roll with new members this month; fine, who's next? I would appreciate hearing from some new states.

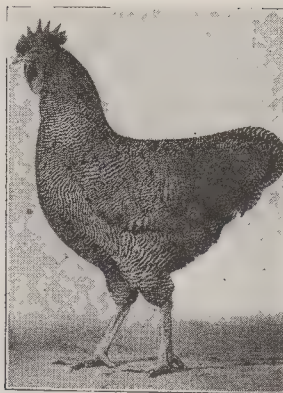
Let every member of our club give our growing youngsters the best of care this month—they are going to need it. Some of the things I wish to suggest—look carefully over the roosting coops, they are very likely inadequate since the youngsters have grown a month or so; if you are O. K. on the house room, then get your pot of Carbola and dress up the house nice and white inside—just give them a house cleaning so that mites and lice won't stop their growth. If by any chance you do not have green runs for them be sure to keep the yards clean; this is important. Out here in Kansas we begin putting our youngsters out under a canvas covered roost in May so there will be no danger of colds from night crowding. Right at this time of the year is when many of us slip and let our youngsters take a set back. Watch them closely and never let them stop growing.

It is our plan at this time to give about three handsome silver loving cups for winning birds in the egg-laying contests. If you production breeders will come in with a bunch of new memberships this will be a certainty. Do you want them? Here is our plan—one cup will be given to the White Rock pen making the best pen average, all official egg contests competing, one for the pen making the best pen average for the winter months, one cup for the high hen for the year. These loving cups to be awarded for contests starting this November. To win one of these handsome cups you must be a member of the American White Plymouth Rock Club at time your pen entry is made and notify the club secretary that you are making entry to compete for these club specials; by this method it will let us know just what members have birds entered and we can keep in touch with these pens, giving publicity whenever a pen gets an unusual record. To win one of these prizes your pen must have laid Standard weight or over eggs and score at least 89 under the Standard of Perfection applied by regular licensed judges. We are also planning some special prizes that will be given at state and district meets for exhibition.

Evidently the foreign countries are appreciating White Plymouth Rocks. The writer shipped a trio to Holland last month. Oh, yes, it would be hardly fair to report this without giving PLYMOUTH ROCK MONTHLY, our official paper, credit for the sale since this paper furnished the customer from a "classified ad."

Mr. Terveer in last issue invited discussion on brown or buff in quill of wing feathers—should it disqualify? If this defect is found in both wings, even slight, it is a serious breeding defect and should without question disqualify, because it will breed and in short time ruin one's entire flock. It has done this very thing for many White Wyandotte and White Lechorn breeders. If, however, the defect is found only in one wing and possibly just one feather of that wing it is pretty sure

One Of
Many



Royal Puritan
Winners

ROYAL PURITAN BABY CHICKS

JUNE HATCHED

June hatched ROYAL PURITAN Baby Chicks, owing to their rapid growth and early maturity, will be laying profitably by December and will develop into winter show winners. Last season 875 Royal Puritan Chicks, hatched July 6th, were laying 50% by the middle of December. 100 of the largest cockerels of this batch averaged 4½ pounds in 3 months and 21 days. We raised 853 of these chicks.

ROYAL PURITANS have been winning for years at Chicago and the country's largest shows. Our latest Chicago win placed 58 birds on an entry of 62. Seven firsts, more than our 22 competitors combined.

Still Leading The Iowa Contest

1st and 2nd high ROYAL PURITAN pullets entered by us are still first and second for all heavies in the contest. Many other notable records up to 316 eggs by Royal Puritans owned by us or bought from Royal Puritan Farms.

June prices on flock chicks, \$12.25 a hundred up to \$16.50 for 100. Baby chicks from our rarest exhibition matings, less than ½ of the April prices. A real opportunity to get those superb, radiant winners for winter shows. They'll mature on time. We are booking orders for 8 and 12 weeks stock.

Get Catalog.

ROYAL PURITAN FARMS

J. A. SCHNEIDER, Mgr.

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LE ROY, MINNESOTA



WE ARE NOT
BLOWING
OUR OWN
HORN

because hundreds of satisfied customers do that for us. It is gratifying to have such a large army of boosters and it goes without saying that we will endeavor at all times to merit the confidence of our customers.

Your Printing Wants Will Also
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A trial order will convince you.

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What Price Cod Liver Oil?

Which is cheaper? A nondescript oil, untested, that comes from goodness-knows-where, but with a temptingly low price... OR Nopco, tested, proven, guaranteed, and sold at the lowest price consistent with its quality? For the poultry keeper who judges by results, Nopco is much the cheapest. A pint does the work of a quart of the ordinary oil—yields \$6.00 in profit for every dollar of cost.

When you feed Nopco, you feed cod liver oil that is proven pure by a searching chemical test, proven potent in Vitamins A and D by two biological tests on baby chicks and white rats. Every lot of Nopco is so tested and guaranteed. We know that it will get results because we have proven it before we put it in the sealed, distinctive yellow can. With the cheaper, untested oil, you do not know and may spend your money for nothing.

Feed Nopco all summer. Our free 24 page booklet gives full information.

NOPCO Cod Liver Oil

for Poultry and Animal Feeding
If your dealer

is out of stock, send one dollar for a trial quart can. Also obtainable in half gallon cans—\$1.75. One gallon can—\$3.00.

NATIONAL OIL PRODUCTS CO., Inc.
Refiners of Cod Liver Oil for 25 Years
29 Essex St., Harrison, New Jersey
Dealers! Write for information

BABY CHICKS

8- to 12-Weeks-Old Pullets and Cockerels for immediate delivery at reduced prices.

20 to 50% Savings during our 22nd ANNIVERSARY SALE of Ream Strain of

BARRED ROCKS

WINNERS in Official Laying Contests since contests began.

EGGS, BREEDING STOCK

Special Sale Circular FREE—Write TO-DAY! Ask also for "20 Years of Breeding for Mere Eggs (Story of the 300-Egg Hen)." *300 eggs per year*

PENNSYLVANIA POULTRY FARM
Box X Lancaster, Pa.

White Rock Bargains

FROM DIXIE'S CHAMPIONS
6, 8, 10 and 12 week old cockerels and pullets from a flock that made a clean sweep in the largest shows of the state this past season. \$1.50 to \$4 each. Get some of my 319 eggs cockerels for your certified pens, pedigreed for \$4 each. Shipped on money-back guarantee.

Dixie's White Way Poultry Farms & Hatchery, Inc.

LANCASTER

KENTUCKY

not to be a breeding defect, but instead caused from injury or improper growth, the latter can be caused from many things, most generally a lack of green feed or some other feather growing ration, that is, a lack of something that is needed for correct feather growth. As an illustration of this, a dark colored breed will throw white if feather fails to make healthy growth or if injured. The reason for my opinion as above stated is because each feather on a chicken carcass has its companion or likeness in opposite section, that is, if you find a certain barring on the second wing feather of a Barred Rock you will find the same feather in the other wing almost identical, or feathers in any of the other sections will mate up in the same way. In the buff breeds if you find one feather tipped with white in one wing you can look for the white tipped feather in other wing, and if both carry white you are very likely to find white also in the base of tail. With these breeding certainties lie my opinion on the defect now under discussion.

Have just received a nice letter from President Polt enclosing two applications for the national meet, one is from the Chicago Coliseum and the other from Milwaukee, Wis. Both shows offer some special cash above regular premiums. Mr. Polt advanced some mighty fine thoughts in regard to the national meet. He thinks, first that the meet should be placed at a central location; second, not consider any show not in position to give the publicity this distinction deserves. Quoting from his letter as follows: "I want to impress upon every White Plymouth Rock breeder that they should enter their best birds in the national meet and be there in person so that if their birds do not win they will know the reason. Many of the smaller breeders are under the impression that they cannot win or have not the quality to win at a show holding a national meet. In many cases they have the quality to win and would win if they could have a little care after arrival at show. The birds should be shipped in canvas covered coops to keep out the smoke, and sometimes a bird gets soiled in the coop." I feel at this time when the trend is toward the general purpose breeds that it will be worth while to put forth our best efforts to bring out a record entry for the national meet. Do not stay at home because you feel that you do not have quality to win a blue, for if you can place one bird under the ribbons you are established as a breeder worth while and it will mean a great deal of extra business of the better sort after the win is made.

Junior Plymouth Rock Monthly Club

MRS. PERCY FRANKLIN VESSER
c/o Plymouth Rock Monthly, Waverly, Iowa

This is the month of bright sunny June. The birds have come from the sunny South and are busily selecting and making their homes in the trees of their choice.

This morning I saw a beautiful oriole fly by the window and light in a tree in our yard. The sun brought out every color more brightly than ever and it seemed as if it were a golden fairy flitting in the air with her black tresses flying in the breeze. It brought a realization that summer is here with all of her beauties and mysteries. The honeysuckle bushes are blooming and sending wafted sweetness on the air to someone's eager nostrils. The trees are green and everything is coming into its beauty.

Here are the letters which I have received and I have some new members, too. They have just gotten their letters in in time to join the club and I hope that they have set their eggs, and maybe have some baby chicks.

"Dear Mrs. Vesser—I would like to join your Junior Plymouth Rock Club. I am setting thirty Barred Plymouth Rock eggs this spring and at present have a pen of ten pullets and a cock of which I am very proud. Kindly send me information on your contest. I think the PLYMOUTH ROCK MONTHLY the best magazine devoted to Plymouth Rocks. Send information to below address.—Paul Taylor, 128 Pitt St., Tamaqua, Pa."

I am very glad to have you join our club, Paul, and I am sure that you must be glad to have your eggs set and a pen of nice Barred Rock pullets. Of course, I am sure that your cock must be a fine one. I will send you the information which you want as soon as possible.

"Dear Mrs. Vesser—I have been reading the

Shenandoah HOT WATER COLONY BROODING SYSTEM



1,000 to 30,000 Chicks With ONE FIRE

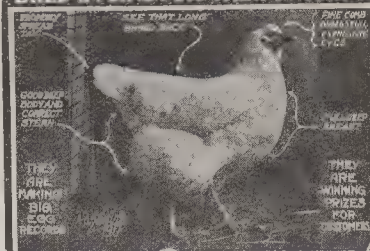
THE most satisfactory, dependable and efficient centralized method of brooding ever devised. Thousands of enthusiastic users, among them leading State Experimental Stations and Agricultural Colleges. Thermostatic control insures absolutely correct temperature, regardless of weather conditions. Thorough, even distribution of heat to all corners. Hard or soft coal, single or double yarding, with or without alley. If you want to be sure of success, write immediately for full information regarding this remarkable, scientific method.

SHENANDOAH MFG. COMPANY
BOX 332-M HARRISONBURG, VA.

FREE

Your name on a postal will bring you our Catalog telling about Shenandoah Brooding Systems and Heating Plants. It is FREE.

BRED IN LINE FOR THIRTY YEARS



THE BEST IN POULTRY

is the fowl that produces the most eggs, the highest priced meat and wins the most prizes. For over thirty years

U. R. FISHEL'S White Plymouth Rocks

have proven their superiority. They are the greatest money making fowl bred. You want the best.

Special Reduced Prices
Baby Chicks, Eggs for Hatching, Mature Fowls, Four, Six, Eight and Ten Week Old Chicks. List Free.

U. R. FISHEL

Box W

Hope, Ind.

YANT'S

Barred Plymouth Rocks

One of the oldest and best beauty and utility strains in America today. Write your needs.

JOHN W. YANT

SCENIC ROUTE 5

CANTON, OHIO

letters that the club members have written and I think they are very interesting. I would like to join the 'Junior Plymouth Rock Club.'

"I am ten years old and am in the fifth grade at school. I like to go to school very well.

I have not raised many chickens for myself. I intend to raise a hundred this year. My mother keeps the Barred Plymouth Rock chickens. I think they are a nice breed. I help my mother all I can. I bring feed from our barn every day for them to eat.

"I live on a farm 3½ miles from town. I live just across the road from school. I think it is nice to live so close to school.

Tell some of the boys and girls to write to me. Well, as I have nothing more to tell I will close for this time."—Katherine Davis, Union, Nebr., Route 2.

Yes, Katherine, I think it must be very lovely to live so close to school. I had to walk two miles to grade school and ride six and a half miles to high school. It got right tiresome after a time and was quite hard on my sister and myself in the winter time.

I live eleven miles from town and only three miles of it are paved. I am so glad to have you join the club and become one of the members. I am sure that you will make good.

"Dear Mrs. Vesser:—I want to thank you for my skull cap. I think it is pretty and I surely am glad I won the prize. My little chicks will hatch soon and I am sending you a stamp so you can write and tell me how to feed and care for baby chicks. I like to feed little chicks and watch them grow."—Harvie Walsh, Upton, Kentucky, Route 2, Box 68.

I am so glad that you liked your prize. I hoped that you would. It is very hard for me to choose anything for boys in the way of presents or prizes for I do not know what they care for. I will send you the information that you want. I wish you the best of luck with your chickies, as I do every other member.

"Dear Mrs. Vesser:—I am writing to tell you my chickens have hatched. I set fifteen Barred Rock eggs March 12. Out of these I got 14 fine chickens. I made a hover out of half an old barrel. Mother helped me. I put dry boards under it for floor. I covered it with tin to keep out the rain. I am sending a stamp so you can send me feeding directions. I am glad the PLYMOUTH ROCK MONTHLY allowed a page for the children. I always liked chickens."—Yours truly Hazel Naylor, Crab Orchard, Kentucky, Route 2.

I am so glad that you enjoy our page and I hope that it will help you lots. You certainly got a wonderful hatch, didn't you?

"Dear Mrs. Vesser:—Thank you very much for the prizes which came Tuesday. I like them very much. I think we are going to have a fine club page, I like reading it very much. Mother has set a Buff Rock pullet on fifteen eggs for me. I will tell you how many hatched in my next letter. I want to write a letter on "Why I think a Flower Garden Is Worth Having," so will close."—Yours truly, Donald Armstrong, Route 1, Apohaqui, Kings County, New Brunswick, Canada.

Why I Think A Flower Garden Is Worth Having

Everyone admires a nice flower garden. I like to set the seeds and then watch them come up. It is nice to have flowers to give sick people who always like them. I know a lady who grows nasturtiums and then saves the seed in the fall and then sells them and gives the money to missionaries. We always have a pansy garden outside the kitchen window as mother likes to see them as they bloom all summer. I gather fresh flowers for the house each day." Sent in by Donald Armstrong—Age 8.

This is a nice letter, Donald, and it was so very neat. Everything you have sent me has been so nice and neat. Your letters always prove interesting to me and I am sure that they must prove so to the members of the club, too.

I got the letter back which I wrote and sent Mavis Johnson and I wonder if she has moved or what has happened to her. The envelope was marked unknown and I have been hoping that she received her prizes as I never got them back and I would hate for them to have gotten lost. I wish all of the prize winners would write me and let me know if their prizes arrived all right. Please write me and let me know where you are, Mavis.

A Narrow Escape

"Betty Jo, come here," Mrs. Conders called from the doorway of their pretty cottage.

"All right," Betty Jo answered. Then turning to her twin brother, "Harold Jean, you

What happened to 24 wormy pullets

THEY were the "screenings" out of a lot of 610 pullets, all wormy, owned by an Ohio poultryman. These 24 were so scrawny and sickly looking that the poultryman considered them worthless. When four months old they averaged only 1¾ pounds in weight.

These 24 wormy pullets were sent to our Research Farm for experiment and test with Dr. Hess Poultry Worm Powder.

They were confined in a colony house 10 by 12 feet. Being so confined reinfestation was bound to take place from their own droppings.

These pullets received the regular Dr. Hess Poultry Worm Treatment consisting of two 10-day courses of Dr. Hess Poultry Worm Powder given three weeks apart and Dr. Hess Poultry Pan-a-ce-a given regularly.

In just two months and two weeks these pullets began laying, and weighed three and one-tenth pounds each. They had almost doubled their weight in 75 days. Not one had died. The photograph shows their actual condition at the end of 75 days, free from worms, thrifty and in condition for a long period of heavy laying.



Not one
of the
24
died!

Dr. Hess

Poultry Worm Powder

is a highly efficient remedy for all kinds of worms in poultry, the result of extended scientific research. It has these distinct advantages:

No individual handling or dosing is necessary.

Fowls are wormed on full feed. It is palatable; fowls eat it readily.

It does not throw hens or pullets off egg production.

It does not cause shocks or setbacks to younger birds.

Worms are the modern scourge in poultry, almost universally present. Suspect worms whenever you see unthriftiness, lameness, wobbly gait, twisted necks, pale combs and wattles, or emaciation. Wormy fowls are always hungry, though light in weight and unthrifty.

Full directions for treatment with every Dr. Hess Poultry Worm Powder package. Apply to the local Dr. Hess dealer.

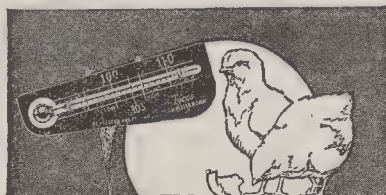
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PURINA POULTRY CHOWS

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come, too." Laughingly she ran ahead of him, teasing him with backward glances over her shoulder to catch her. Try as hard as he could, he couldn't catch up with her for she had the better start of the two.

When they reached the house their mother met them at the door and gave them a pan of chicken feed.

"Run, take this to the little biddies and be sure and give them the right amount. I simply would be brokenhearted if anything should happen to my darling chicks after they have gotten along so well."

"All right, Mudder, we'll be bery careful," Betty Jo replied.

The twins went off hand in hand to the brooder house talking of various things which they would do if anything should happen to the little chicks.

"If anyone should steal our chickies I'd just sit down and cry my eyes out," Betty Jo said.

"Cry-baby," Harold Jean jeered, "of course you would, just like every other gurl, now if it was me I'd just natcherly go right straight to the house and get my pop-gun and I'd hunt and I'd have the deteckertives to hunt and when I found the thief I'd pop-gun his head off!" Here Harold Jean took a very deep breath and looked very proud of himself.

Betty Jo looked up at her small brother who was just a trifle taller than she with great admiration in her eyes.

"I dust bet you w'ud," she exclaimed, "and when you pop-gunned dere heads off den yud dust natcherly take your toy knife and cut them up in teeny-weeny bits, now w'udn't you?"

"Of course I would," Harold Jean answered opening the brooder house door, "Why Betty Jo I dust wish you would look there isn't a chick in sight!"

"Oh, every one of mam's preclous chickies are gone," Betty Jo lamented.

"Let's go tell mother," Harold Jean suggested, all thoughts of a pop-gun and toy knife gone from his head.

They ran in search of their mother whom they found in the pretty pink and blue kitchen with pretty yellow curtains on the windows. Quickly relating their sad story they followed her out to the brooder house while she looked to see if they really could be right.

"You go right over to the field and tell your daddy," Mrs. Condors commanded Harold Jean, then taking Betty Jo's hand she rushed back to the cottage.

Harold Jean stumbled and fell over every obstacle which he encountered and reached his father all out of breath. He could only point to the house and get the word "chickens" out but it was enough to make Mr. Condors realize that something had happened. He quickly unharnessed his team and got to the house as soon as he could.

On hearing the story from his wife he put his arms around her and comforted her telling her that he would find the chicks. Then he telephoned the police and told them that the chicks were gone and it hadn't been over an hour and a half since they had been in the brooder house. The police sent their head detective out in a powerful car to the little farm and he asked many questions which seemed very very off of the subject to Mr. and Mrs. Condors. They realized that time was flying as they answered the numerous questions.

"Have you ever been bothered with anything before?" the man asked.

"Not since we have been on the farm," Mr. Condors told him, "but we were bothered once when we lived in the city." Then he related the story of the twins almost being kidnapped and how it had been the thing which had caused them to move to the farm.

"Well," the detective answered, "let's get busy." So they took him out to the brooder house.

He went from place to place looking at everything which took considerable time. During this time the twins had been forgotten.

"I see goin' to catch the bad man," Betty Jo whispered to herself as she went to the kitchen drawer and got a wicked looking butcher-knife.

"I'm going to beat that deteckertive to that mean thief," Harold Jean said under his breath as he put his toy knife in his pocket and slipped his pop-gun under his coat.

The twins both were making preparations to catch the chicken thief and make their parents proud of them. So they met at the front door after keeping their plans a dead secret to themselves.

"Where are you going?" they both asked each other.

"I'm goin' to catch the bad man," Betty Jo answered and Harold Jean replied, "I'm going to too!"

So they started out together. As they got to the woods which was not far from their house they were snatched off of their feet and carried to a cave which they knew nothing

about. They couldn't see their enemies and wondered what on earth could make them float through the air unless as Betty Jo said afterwards, "Dose legs I saw wuz a man."

The detective finally ran across what he wanted, a clue to who the people were, a black and white piece of goods on which was written, "You thought you would get away from us but we have found you out. The chickens are gone as you will see and the twins are going if they haven't already by the time you read this!"

"Why, that is a piece of the dress I gave the governess when she worked for us," Harold!" Mrs. Conders exclaimed.

"It is?" the detective asked hurriedly and then, "Mr. Conders, let us find the children!"

"I left them in the house," Mrs. Conders told them, and ran on ahead to look for her babies.

"Betty Jo! Harold Jean!" she called over and over but could receive no answer. They searched the house but found no trace of their children.

Mrs. Conders wrung her hands in her anxiety and cried out to them, "My babies, oh please hurry up and find my babies!"

"Now, now dear, we will find them all safe and sound, they are probably hunting flowers in the woods. I heard Betty Jo tell Harold Jean that she wanted to," Mr. Conders comforted her.

"Yes, Mrs. Conders, we will find them. Just be calm and do not worry for they must have left some clue where they went for me so that I can find them," the detective consoled her.

"Why—what is this," the detective walked over to the knife drawer, "are there any knives gone?"

"Yes, the large butcher knife is missing," said Mrs. Conders.

Then they went on from one room to the next and carefully examined everything.

"Harold Jean's coat and cap are gone and—" she went to a high shelf, "his pop-gun is gone too and I put it up here. I think the one he has is kind of dangerous as he tries to use it as you would a big gun—putting it close to his eyes and the other day he came nearly getting his eye put out when the cork flew back and hit it." She told this in a hurried tone as if she were out of breath. She rushed from one place to the other looking for clues to help the kindly man who was trying to help them.

So after a search which was heart-rending to the parents they went to the woods to see if they could possibly be picking flowers. The detective went ahead leading the way. He stooped and picked up a large butcher knife and showed it to the worried couple. Then he examined the ground closely.

"There has been no struggle here but the children's footsteps leave off and a man's and woman's begin. Let's follow them. I really do not know for sure but I am going by the tufts of grass which are mashed down and you will see that one tuft is so much larger than the other while the smaller is indented more at the heel and runs off to more of a point."

This detective talked more than detectives usually did but the parents did not notice this part of it. It was all right that they did not, for he was only trying to be comforting.

"Harold, I heard a cry and it was very faint," Mrs. Conders said.

"I can't hear it," her husband answered. "That is funny," she said, "for I hear it quite plainly here."

The detective went from place and finally drew a conclusion of his own. There must be some kind of a cave here and the mouth was straight ahead of Mrs. Conders.

"Let us go straight ahead," he suggested, "and maybe we will hear it more plainly."

So they went on until they came to a huge growth which could not be penetrated. They stopped bewildered by the outcome of their search. Looking at each other they tried to read each other's thoughts but could not for there was only amazement written on their faces.

So without a word they turned and went slowly back the way that they had come, Mr. Conders supporting his wife with one arm for she was weeping violently.

"Betty Jo, they didn't tie your hands so come over here and cut this rope with your toy knife," Harold Jean told her.

"Allright," she answered, "I will and den can we go home?"

"I think so if you will be very quiet and not make any noise," he said.

Betty Jo crawled over to him on her hands and knees for her feet were tied. Taking the little knife she cut the rope that bound his hands then that which tied her feet.

Then hand in hand they crawled out the tunnel which led into the cave.

There was a scurry behind them which caused Mr. and Mrs. Condes and the detective to turn quickly. There were the twins running from the direction of the huge growth of

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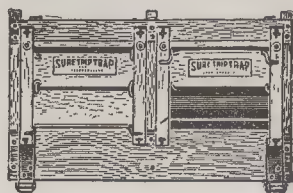
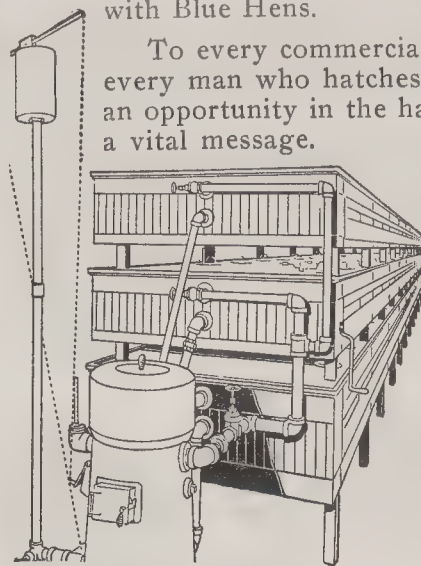
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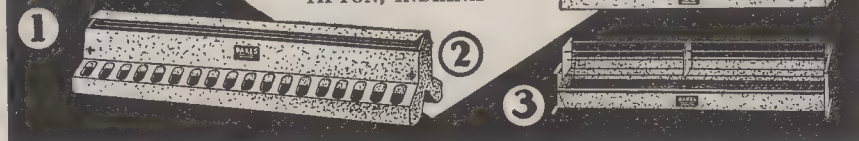
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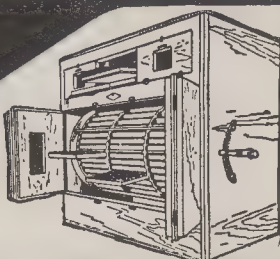
**BEFORE I SPEND ANOTHER NICKEL
ON INCUBATING EQUIPMENT**

I'll get the facts

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brush and vines and a man and woman were brandishing a club towards them.

"Harold Jean," Betty Jo commanded, "get your gun and shoot dem."

Harold Jean grabbed the small pop-gun from under his coat and aimed it at the couple.

"Stick 'em up," he cried. The astonished couple put their hands up high above their heads.

"Yes, stick them up," came the calm controlled voice of the detective, "or this world will be rid of two more crooks."

Mr. and Mrs. Conders grabbed their children and took them back to the cottage. Then Mr. Conders and the detective took the man and woman to the city authorities.

When Mrs. Conders and the twins went out to the brooder house that evening they found all of their chicks and a note which read:

"We are returning the chicks for the children are enough—\$100,000 reward, please—left under the large rock at the edge of the woods."

In the prison that night a woman looked through the bars of her cell, across the aisle and through the bars of the cell just opposite at a man in it. Her eyes were filled with compassion although her voice was hard as ice.

"Paul, our luck seems to have turned."

"Yes, Maria, and look at us now!"

She knew that he was feeling sorry for his wife—she whom he loved and who cared for him and she knew that although his voice was hard that he had repented and that was the best way he could show it after the many years of vice which he had lived through. Tears came to her eyes for she was his wife.

Paul Devenstrodts knew that the softened eyes of his wife were filled with tears although her voice was hard and she was too much of a sport to show it. He got on his knees and prayed as he never had since before his mother died and tears rained down his cheeks.

The trial proved as most trials are. The couple were given a sentence of ten years in prison. Before they left the courtroom they turned to the children and said, "We are sorry for we only wanted money but we see now that it is all a mistake and when we come out we will never go crooked again."

"Harold Jean and I forgive you," Betty Jo answered, "and come to our house and you can be my governess again and your husband can help daddy on the farm."

Mrs. Conders patted her little daughter's cheek.

"Yes, I promise all of that too," she said, "and I wish there were more criminals who would turn over a new leaf when they come out of the prison doors rather than try to see how much more crime they can possibly do."

Paul Devenstrodts and his wife were often cheered in their prison cells by the bright smiles of friendliness which they had last seen on the faces of the Conders family.

That night Mrs. Conders talked to her babies.

"Children, remember," she told them, "that no matter how much you repent you always have to pay for your sins. That is the law of life."

Children, I hope that you will enjoy our little stories which we are having each month from now on. Please write me and tell me whether you are or not.

I am assigning parts to each one of the club members and I want you everyone to come up with your part and make it interesting.

Mavis Johnson—I want you to write a letter on "An Article I Read in the Plymouth Rock Monthly and Why I Liked It."

Paul Taylor—I want you to write a letter on "The Thing I Like Best in the Junior Plymouth Rock Monthly Club Column." If it is the Juniors' letters or if it is the little stories or the contests why tell me which it is and why you like it best.

Hazel Naylor—Write on "The Variety of Plymouth Rocks I Like Best and Why." If it is Barred or White or Buff, tell which and why.

Frank Wayne Calderwood—Write on "The Care of Baby Chicks for the First Week" and you can read articles on this and put the best of them together, in your own words, for your letter.

Marjorie Foster—Write on "Monthly Records and Why They Are Necessary." Tell everything which you think and know from experience and others trying out. This is on baby chicks and you can use the record which I published last month for an example and tell why each statement in the record is important.

W. G. Saylor, Jr.—Write on "The Reasons Why a Baby Chick House Should Be Kept Clean." Use any ideas which you think are good and write us a nice letter on the above subject.

Wilma Nott—Write on "Why Baby Chicks Must Be Fed Cod Liver Oil or Else Plenty of

Green Food Which It Takes the Place of." Get all of the information possible on this.

Alice Temple Simmons—"How to Feed Rock Hens."

Donald Armstrong—"The Reasons for Trapping Rock Hens or Pullets."

Lawrence Foster—"Why We Should Feed Plenty of Wet Mash to Our Hens."

Burch Foster—"Why We Should Keep Dry Mash Before Our Hens All of the Time."

Ollive L. Tweet—"What Milk Fattened Broilers Are Used for and the Prices Usually Paid for Them."

William W. Weaver—"Some Ways to Keep Crows and Hawks Away from the Baby Chicks in the Summer Time."

Harvie Walsh—"What Kind of Litter to Use on the Floors of the Brooder Houses and Why."

Howard Zeune—"Why We Must Not Keep Cull Birds." Give me some good reasons.

I will publish the subjects for the remainder of the members next time. I give all of you members until the twentieth of June to send me your letters on your assigned subjects. I shall send the members whom I didn't have room for in here this time, their subjects by letter. This will give you the same amount of time to get your letter prepared as the others.

Remember in taking care of your chickens that there are some things which are absolutely essential to do. One is cleanliness, the second is the right kind of feed, third is be on time with everything about them and fourth is heat and shelter. These things must be seen to, to have good strong healthy chicks.

Children, do not forget to write me and tell me lots of things and ask me everything you need to know that I can help you with.

Let's make this year a success!

THINGS ARE HUMMING FOR THE THIRD ANNUAL N. E. DISTRICT PART-RIDGE ROCK MEET

The thirty or more members of the New England District of the International Partridge Plymouth Rock Club have already voted to hold their Third Annual N. E. District Partridge Rock Meet at the Athol, Mass., Poultry Show, Dec. 20-21, 1928, and have chosen F. G. Cook of Waltham, Mass., to judge the meet. There is a possibility that a third day, the 19th of December, will be added. Over twenty of the district members have already expressed their intention to exhibit at the meet and if possible attend the show.

The district members have voted to have this meet open to WORLD competition without any red tape as to the prizes, except that some of the prizes will be open to club members only. Last December at the Second District meet at Portland, Maine, one hundred and twenty-two entries gave Judge J. H. Drevenstedt of Northport, N. Y., a real day's work; and two years ago at the First Annual District meet at Keene, N. H., Judge J. H. Woodward of Tyngsboro, Mass., was confronted with over ninety Partridge Rocks. Anyone who likes to see real competition and good sportsmanship should make it a point to be on hand at the third annual meet at Athol next December; or better still, get started with some choice Partridge Rocks and join in the battle royal. The points were well scattered at both the first two district meets, H. H. Burley of Keene, N. H., landing on top at the 1926 meet while W. N. Logan of Athol, Mass., nosed out Beau-Site Farm of Sanford, Maine, by one point for best display at the 1927 meet.

By the way, donations to the prize fund for the next district meet are coming in, it won't be long before last year's total of \$350.00 is surpassed. Here are the donors to the 1928 fund to date:

Athol Poultry Association, Athol, Mass., \$25.00 cash, besides regular premiums.

N. E. District Chairman and Secretary, Sterling Silver Cup for best display, \$30.00.

C. N. Beggs, Edmundston, New Brunswick, choice of male or female, value \$5-\$10.

Bird Bros., Meyersdale, Pa., one setting of eggs, value \$10.

Albert Ecker, Milford, Ill., \$3.00 cash.

Henry J. Hunt, Madison, Wis., one pedigree setting, \$7.50.

Hoelker Bros., Oldenburg, Ind., \$5 credit on stock.

H. H. Burley, Keene, N. H., a good cockerel and a good pullet.

Beau-Site Farm, Sanford, Me., one setting of eggs, \$10, and \$2 cash.

Fred Ritter, Concord, Mich., \$1 cash.

Marshall Blackman, Needham, Mass., \$2 cash.

S. F. Raff, Springville, Iowa one setting of eggs (prize pen), \$15.

Mack T. Marshall, Sevierville, Tenn., one setting of eggs, \$5.

Donations may be changed or withdrawn later if necessary.

The moderate Athol entry fee of 50 cents for single birds and \$1 per pen is sure to swell the exhibits to a very high total. Athol is centrally located in New England and every-

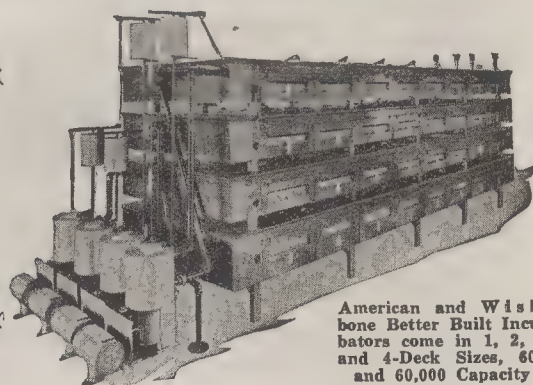
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COSH'S BARRED ROCKS


When a strain has been as carefully bred for so many years as this one has (it produced all five winners on cockerels two years in a row at Madison Square Garden) those certain kind of eggs are produced each season. And they can be purchased by you (eggs from the same matings as I set from for my own use) at \$15 per 15, \$28 per 30, \$40 per 50, \$80 per 100. Place your order today and take the short cut to success. Remember that some of the world's greatest Barred Rocks will come from these matings and you stand as good a chance as anyone to hatch them.

Eggs from second quality matings \$5 per 15, \$25 per 100.

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thing points to a banner meet. Let's all contribute as well as exhibit. The sooner your donation is made, the greater publicity it will receive and the greater will be the benefit to Partridge Rocks and the club.

Yours for Partridge Rocks,
H. H. Burley, Dist. Chairman,
Keene, N. H.
L. C. Allen, Dist. Sec'y-Treas.
Sanford, Maine.

P



A pair of White Rocks as raised by J. W. Southmayd, Salina, Kans. Cock has been three time grand champion male. Note the wonderful back, tail and saddle. The young cockerel is a typical chip of the old block; eleven weeks old and weighs three pounds.

At the Kansas State White Rock Meet, Con-



cordia, Kans., Dec. 20-24, 1927, Mr. Southmayd made the following win:

- (107 birds in class)
1-3-8 cock, 1-2-3-4 hen, 1-3 cockerel, 2-3-5 pullet, 1 old pen, 2 young pen.
Best display.
Best pen of Plymouth Rocks.
Best White pen in show.
Best display American class.
Best display of entire show.
Best 20 birds shown by one breeder.
Best cock, cockerel, hen, pullet and pen shown by one breeder.
Grand champion old pen of show.
Grand champion hen of show.
Grand champion cock of show.

P

STOUT TO JUDGE CANADA

Following a vote by the members of the Canadian Barred Plymouth Rock Club, and their recommendation to the show officials, Mr. Cleve Stout, of Deerfield, Ill., has been chosen to judge the Barred and White Plymouth Rock classes this coming year at the great Canadian National Exhibition which is featuring its Jubilee Year.

Likewise the Canadian breeders balloted upon their choice of judge for the Barred Rock classes at the Royal Show, and recommended as first choice Mr. Stout and as second choice Judge Cosh.

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Line bred for over quarter century. A snappy lot of Cockerels and Pullets for sale. Both lines. Write for Special Summer Prices.

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Route 1, Box 267 South Tacoma, Washington

WHEN BABY CHICKS BECOME UNRULY

(Continued from page 529)
or building paper so there will be no corners for them to pile up in. Chicks will often smother if they are allowed to bunch up. Watch the heat and see the chicks are not overheated so that they will be inclined to huddle and pile up. It is well, at late bedtime to go to look through the brooder house and under the brooder stove and see that the chicks are all well spread out and that the brooder fires are operating properly for the night.

Toe Picking

What is known as cannibalism, or toe picking, is quite often a serious matter in young chicks, especially. This is a vice that is mostly found in the first two weeks although the older chicks have been known to take to toe picking. Usually it starts by one chick picking and tearing blood from the toe of another. This seems to give the flock the taste of blood and is hard to stop when once started.

There are many supposed causes, such as crowding of chicks, keeping them too idle, not giving them enough room to spread out more. Another supposed cause is that chicks that are inclined to eat each other because they are not properly fed. This is probably not the real cause, as many chicks that are the best growing and ideally fed will be the worst at toe picking.

Give the chicks plenty of exercise, and get them outdoors. Hang up strips of meat and vegetables for the chicks to pick. Remove all injured chicks. Look to your feed and see that it is rich in proteins, minerals and vitamins. Give the chicks more green feed. Give them more room and range.

—P—

WHY I RAISE WHITE PLYMOUTH ROCKS

By MRS. RAY HUME
Knob Noster, Mo.

I am glad to say I am a breeder of White Plymouth Rocks. I can speak from experience after trying three other breeds of the popular varieties. The beauty of a White Plymouth Rock first attracted my attention and "a thing of beauty is a joy forever." I admire their type and pure white plumage, red comb and wattles, and deep yellow legs and feet.

It is very thrilling to attend a poultry show where I have exhibited some of my White Plymouth Rocks when I have them in the best of condition, then see the judge hang a blue ribbon on the coop and often a purple denoting they are champions. As secretary of our local A. P. A. show for eight years, I can truthfully say three-fourths of all silver cups and special prizes are awarded the White Plymouth Rocks and they are usually the largest class of the show. A host of admirers can always be found in front of their coops. I am often asked "Why do you raise White Plymouth Rocks?" I am always glad when I am asked that question. Of all breeds listed in the Standard of Perfection the Plymouth Rocks are first. There are six varieties of Rocks—Barred, White, Buff, Silver Penciled, Partridge and Columbian. Their weight is a valuable point to me, the Standard weights being: Cock 9½ lbs., hen 7½

Eggs from Yeast-Fed Hens—Big Hatches



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GRAND STOCK FOR SALE and Eggs for hatching from this best Sweepstakes New York blood. Prices low.

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lbs., cockerel 8 lbs., and pullet 6 lbs. These weights are not so large and "beefy" as some, but you will agree with me there will be enough meat for the family even if the preacher is there for dinner when you serve a White Plymouth Rock roaster or capon. They are so attractive when dressed, no unsightly pin feathers, and they appear cleaner looking with less work than any other breed.

One always has a few culls for the market and their good weights always mean an attractive check.

They are among the best layers found, laying a large brown egg of Standard weight. I don't believe any other breed will lay more eggs in winter if properly fed and housed. They are great hustlers, leaving their house before sun-up and go far in search of food; they will not fly high and it does not require a high fence to hold them, yet they bear confinement well. Their gentle disposition make them ideal setters. I owe the thrift of my prize-winning Mammoth Bronze Turkeys to my White Plymouth Rock hens that hatched them.

In selecting your pen of breeders, never use one less than Standard weight. I select for type first, then plumage. Of course, we all know they must be healthy and full of vitality, the breast should be well rounded, good broad body and long back, tightly folded wings, legs and toes a deep yellow with no dark spots on them. The head is very important in breeding for exhibition, it should be broad with a short yellow beak. Avoid the "crow headed" looking type. Select a comb of five points for exhibition, but I would rather use one in my breeding pen with a four-point comb than with six points, always look for side sprigs, which the Standard says is "a well defined pointed growth on the side of a single comb." Select smooth, bright red wattles and ear lobes for white in ear lobes is a disqualification. The neck should be well arched with an abundant hackle. The feathers should be pure white in all sections showing a pink quill when they are not matured. Brown or buff in quills of primaries or secondaries of white varieties are also a disqualification. They do not require "double mating" as is practiced in some other varieties.

The breeders of colored birds give so much attention to color, but I just see that my birds are pure white. There is less "brassiness" in White Plymouth Rocks than any other breed.

In starting, always buy a good strain; a few dollars extra to know what you are buying will be well spent.

These are only a few reasons why I raise White Plymouth Rocks and I hope this talk will make friends and boosters for the grand old White Plymouth Rocks.

—P—

MASH AND GREEN FEEDS

By MRS. GEORGE F. SCHMITT

The average hen would lay twenty eggs more per year if she was supplied with a good dry mash all year around. Most of the eggs would be laid during the period of the years when eggs are highest in price and the income from them would more

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Subscribers of PLYMOUTH ROCK MONTHLY may obtain free advice on any question pertaining to sanitation or to the health and disease of their poultry flocks. If advice on any kind of ailment is desired, always answer in detail the questions listed below. All inquiries answered promptly by personal letter.

Send all letters to—

DR. J. E. SALSBUARY
Charles City, Iowa

A stamped and self-addressed return envelope must be enclosed.

- 1.—Name and address.
- 2.—Breed.
- 3.—Number of chicks half grown, one year, two years and over.
- 4.—Do you have a farm or backyard flock?
- 5.—What is your egg production?
- 6.—What are you feeding?
- 7.—What is the size of your chicken house?
- 8.—What is the age of birds that are dying or not doing well?
- 9.—Are they thin?
- 10.—Do apparently healthy hens die over night?
- 11.—Is there diarrhea? What color? Bloody?
- 12.—Is there any lameness?
- 13.—Do the birds under one year have a good appetite, are they thin, and do some die occasionally?
- 14.—Are there any cankers in their mouth, swollen eyes, or scabs on wattles or comb?
- 15.—Is there any gurgling sound when the bird breathes?
- 16.—Do any of the birds have fits and act as if they had no use of their necks, and topple over backwards?
- 17.—Are there scales on the legs?
- 18.—Have you been troubled with the same ailment in your flock other years?

If there are any other symptoms, mention them.

than repay the cost of the extra feed consumed.

Many farm flocks are permitted to scavenge for their feed at this time of year. Their ability along this line is not nearly as great as often thought.

If all hens were provided with a good mash throughout the year they would molt later in the year and the new feathers would develop rapidly.

Dry mash given in the summer months is a good insurance of higher egg production during the early winter months.

Put some legume hay away for the chickens. It helps solve the winter green feed problem where no other source of green feed is available; the addition of a legume hay will increase the number of eggs produced and their hatchability. It will also reduce the mortality from nutritional trouble. Save the hay with most leaves and the greenest color for the chickens. An easy way to feed chickens hay is to provide a rack along the wall and keep hay before them all the time. A trough along the bottom of the rack will catch all the leaves that would otherwise be wasted. These can be fed from the mash hopper. Alfalfa meal may be used if good hay cannot be bought at reasonable prices. The meal should be used in the mash. About 10 per cent alfalfa meal will substitute for a like amount of bran.

Cockerels for breeding purposes should be selected as soon as the sexual characteristics become marked. For Plymouth Rock breeds from twelve weeks or older. The earlier the breeding cockerels can be selected

the better as the balance of the males can be sent to market after a fattening period.

I have raised Plymouth Rock chickens for the last ten years and find them to be good layers and fine for market.

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THE BUCKEYE HATCHERY HELPER, published by the Buckeye Incubator Co., 3098 Euclid Ave., Springfield, Ohio, is a four page monthly paper containing some very important information for hatcherymen.

PURINA POULTRY BOOK, published by Purina Mills, 878 Gratiot St., St. Louis, Mo. A 98-page book covering feeding of poultry. It also contains chapters on how to make handy things for the poultryman. An interesting feature is an article on how to perform a post mortem examination. Poultry diseases, cause and remedy, are gone into in detail.

CHICKAGRAMS. A monthly paper published by the Smith Incubator Company, 3116 W. 121st St., Cleveland, Ohio. It is profusely illustrated and contains news and information of value to hatcherymen and poultrymen.

THE FEED HOPPER. An attractive little house organ put out by the Northwestern Yeast Company, telling about their goods and always incorporating some good, practical poultry information. This is published every once in a while and will be sent free for the asking by the Northwestern Yeast Company, Dept. L, 1750 N. Ashland Ave., Chicago, Ill.

FLEX-O-GLASS. Flex-O-Glass Mfg. Com-

pany, Dept. 107, 1451 N. Cicero Ave., Chicago, Ill. Covers poultry diseases and their remedies.

POULTRY HELPS. Contains practical information on how to make your own oat sprouter and a home-made brooder. Published by I. Putnam, Route 504-B, Elmira, N. Y.

The catalogue of the National Poultry Band Company, Newport, Ky., contains two practical methods on wing banding.

JAMESWAY POULTRY HOUSE BOOK is a large elaborate book containing good information on proper housing of poultry. Published by the James Mfg. Co., Dept. 332, Fort Atkinson, Wis.

POULTRY LITTER, published by the O. K. Company, 29-A Burling Slip, New York, N. Y., is an interesting booklet telling of the advantages of using litter in poultry house and describes the value of the various litters.

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FEED FROM THE EGG TO THE MARKET. Collis Products Company, Dept. 108, Clinton, Iowa. A 42-page booklet with description and illustrations of the most popular breeds of poultry. It also contains articles on feeding, culling, mating and disease control.

July is the worst time for filth and lice. The dropping boards should be soaked in the morning with a good strong dip solution or other disinfectant. By night they will be dry. This should be done at least once a week, for this will kill any eggs from mites or lice that may be prevalent. Absolute cleanliness should be practiced about the poultry house during the hot weather. Droppings boards should be cleaned and scraped daily. Cool fresh water should be kept in the water fountain and the fountains cleaned daily with boiling water. Chickens need a lot of water during hot weather.

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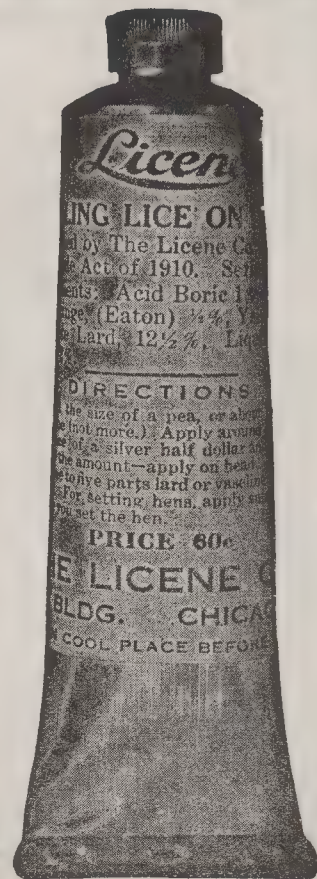
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BABY CHICKS

BABY CHICKS grow quickly, cost less and eat less. Utility bred Barred Rocks and S. C. Reds \$11.00-100, \$40.00-400. (Tannered Strain) White and Buff Leghorns, \$9.50-100, \$36.00-400. Heavy mixed, 8c. Assorted, 6 1/2 c. We hatch the year around. Let us book your order now and we will send chicks C. O. D. when you want them. Catalog free. Davis Poultry Farm, R. B. 11, Ramsey, Ind. 9-12

IOWA INSPECTED AND ACCREDITED BARRED and White Rock day-old and two-week-old chicks. Lobdell Poultry Farm, Waterloo, Iowa. 8-10

WARNER'S QUALITY BABY CHICKS Barred, Buff, White Rocks. Highest egg producers. Warner's Poultry Farm, Bloomfield, Iowa. 8-10

DOES

SHEPHERDS (POLICE). ELIGIBLE. FINE grown stock. Fine pairs and will guard home and property. Tell View Kennels, Junction City, Kans. 9-12

FOXES

I CATCH FROM 45 TO 60 FOXES IN FROM 4 to 5 weeks time. Can teach any reader of this magazine how to get them. Write for particulars. W. A. Hadley, Stanstead, Quebec, Canada. 8-10

PIGEONS WANTED

HOMERS, CARNEAUX, KINGS AND FANTAILS. In large numbers. Must be banded and mated and good squab breeders. Give complete description and prices. Z. G. McKay, Box 2, Lyons, Iowa. 10-1

PRINTING

PEDIGREE AND EGG RECORD SHEETS, 8 1/2 x 11, for loose leaf binder, \$1.00 per 100 prepaid. Samples free. Waverly Publishing Co., Waverly, Iowa. 6-2

PRINTING OF THE BETTER KIND FOR particular poultry breeders. Highest quality, lowest prices, prompt service. Free cut service. Each job carries a distinctive, individual touch. Price list and samples free. Prompt Printshop, Box M, Waverly, Iowa. 4-9

USED INCUBATORS FOR SALE

WE HAVE ON HAND SOME SLIGHTLY USED Buckeyes, Peterstimes, Newtowns, Wishbones, Blue Hens, Jameways, Millers and Charters, in various sizes, located at different points throughout the country. These machines did splendid work for their former owners who traded them for Smiths. If unable to pay cash write for our liberal time payment plans, whereby you can purchase one or more of these machines at an extremely small outlay of cash this year, balance covered by notes due 1929 and 1930. Write us now for full particulars, stating the make and size you need. We can offer you an attractive deal and save you money. The Smith Incubator Company, 3108-B W. 121st Street, Cleveland, Ohio. 10-6

SEEDS

BUY YOUR GRIMM ALFALFA DIRECT FROM the introducer, Lyman's Genuine Grimm bears 3 to 4 crops yearly. Leafier and higher in feeding value than other varieties. All seed scarified necessitating less per acre. A. B. Lyman, Introducer, Excelsior, Minn. 10-10

MISCELLANEOUS

PLYMOUTH ROCK STANDARD AND BREED Book, has 438 pages—58 chapters—237 illustrations—all for \$1.50, or with a 3-year subscription to Plymouth Rock Monthly, either new or renewal, for \$2.00. Plymouth Rock Monthly, Waverly, Iowa. 10-1

"ALL ABOUT PLYMOUTH ROCKS." A NEW breed book just off the press. Contains a wealth of information on mating, breeding, showing, judging and culling all varieties of Plymouth Rocks; also information on the general care of poultry, such as feeding, housing, health and disease, etc. Price only 50c per copy, or free with a 3-year subscription to the PLYMOUTH ROCK MONTHLY \$1. ORDER TODAY. Your money back if you are not more than satisfied. PLYMOUTH ROCK MONTHLY, Waverly, Iowa. 10-1

NEWS of the Poultry World

Geo. H. Lee Invents New Worm Capsule

A new invention which should mean a lot to poultrymen has recently been announced by Geo. H. Lee, president of the company of that name. The new invention is a worm remedy, the "Chicken Gizzard." This is a strong worm killer put up in capsule form. The capsule is made of material which is insoluble. It does not dissolve in the crop but passes into the gizzard where it is crushed and the poison released just before it passes into the intestines where it does its work of killing the worms.

W. C. Tallant, Ardmore, Okla., manager of the International Poultry Show, which will be held at Ardmore, Okla., August 14-18, announces that the premium list will soon be ready to mail. The management expects an entry of over 4000 birds. Readers who wish premium lists can secure them by writing Mr. Tallant.

The annual convention of the International Baby Chick Association will be held this year at Cedar Point, Ohio, July 31 to August 3. A number of important subjects will be thoroughly discussed this year.

Baby Chick Campaign Under Way

First reports coming from the hatcherymen throughout the country indicate whole hearted approval of the National Baby Chick Campaign which is being sponsored to increase the buying of good baby chicks. In Ohio where the first work was being done, the Fund Raising Committee received the investments of 127 Ohio hatcherymen. The hatcherymen have received the plan with enthusiasm. The plan consists of raising \$2,000,000, which is to be spent for advertising chicks during the next four years.

The Greater Orleans Poultry Show, New Orleans, La., has been received with spontaneous enthusiasm, according to L. F. Bender, the president of the show. The show which will be held next November is attracting attention largely through the big prizes they are posting. A prize of \$450 is being offered by one man for several of the entries. Further particulars can be had by writing to L. F. Bender in care of the show at New Orleans, La.

Announcement has been made of a new poultry paper, "The Florida Poultryman," which will begin publication this coming July. Howard Hull will be the editor.

The Sunflower Poultry and Pet Stock Show of Kansas have made arrangements to hold their annual show this coming season in connection with the Kansas State Show, January 7-12, 1929. The members of the Sunflower Poultry Club again made the orphan and sick children of Kansas City, Kans., happy this Easter by distributing 2000 colored easter eggs among the orphan homes of Kansas City, Kans. and the Mercy Hospital.

The office of the secretary-treasurer of the American Poultry Association of Florida has been moved from Polk County back to Orange County. Mr. Howard Hull, the secretary, was recently re-elected to this office.

"Feed Costs Cut to 11c per dozen Eggs" with

Quaker FUL-O-PEP EGG MASH

THE best record of 235 Iowa poultrymen who kept official records last year was reported by Mr. Guy Brady of Sac City. *He used Quaker Ful-O-Pep Egg Mash!*

More and more poultrymen are turning to this exceptional balanced ration, not only for the increased egg production, but for *better eggs;*

better hatchability; better chicks; better pullets; better hens.

The base of Quaker Ful-O-Pep Egg Mash is clean, fresh oatmeal. To this are added carefully selected and prepared ingredients, including important minerals, valuable proteins, cod liver meal, and molasses in dry form. No wonder it produces lots of eggs at low cost.

And for making young chickens grow into big, hard-working layers, there's nothing so good as Quaker Ful-O-Pep Growing Mash. This feed builds large frame birds of unusual laying capacity.

See the Quaker Dealer in your neighborhood and learn how a convenient, fresh supply of these great feeds is always ready for you.

Since we began feeding Ful-O-Pep feeds our hens have made us more profit, our eggs have hatched better, and the chicks have been stronger.

We find that our birds eat so much less Ful-O-Pep that it is cheaper than any feed we can make or buy. We have never produced as many eggs with any other feed and the cost of producing them is considerably less. Our feed cost per dozen eggs for the first three months, November, December and January, was exactly 18c per dozen. We produced eggs in March and April for about 7½c per dozen and we believe the average cost for the year was not more than 11c per dozen.

You understand, of course, that to make a record like this, one must have mighty good hens, as well as the best feed. Our flock average was over 200 eggs per hen.

Guy Brady, Sac City, Iowa

The Quaker Oats Company

CHICAGO, U. S. A.

*Manufacturers of a complete line of poultry
and livestock feeds—look for the striped sacks.*

How to cut down the handicap for **LATE CHICKS!**



LATE-HATCHED chicks can be developed into your best money makers. But they must be grown and started to lay before cold weather starts in and egg prices shoot upward.

Only the best of feed can do that. Just average feed won't do. It takes the best or it can't be done!

When a week or two gained or lost often means the difference between total loss or profit for the season, it's easy to see why poultrymen put a premium on Pratts Buttermilk Baby Chick Food and Pratts Buttermilk Growing Mash for late chicks.

Any liveable chick can be brought into lay earlier with these two splendid foods than in any other way. We guarantee it!

Pratts Buttermilk Baby Chick Food provides just the right start. It is mechanically predigested. The finest ingredients are skillfully blended to make it a *complete* food. A perfect *foundation* for bone,

muscle, nerve, vigor and layability!

And Pratts Buttermilk Growing Mash is guaranteed to *develop* more bone, muscle and feather per pound of mash than any other feed! Its four sources of vegetable nourishment—No. 2 yellow corn meal, wheat middlings, feeding oat meal, wheat bran—are the best suited to healthy growth. Its four sources of animal protein—dried buttermilk, meat scrap, bone meal, fish meal—are the easiest to convert in muscle and bone.

Uniformity of *formula* as well as quality is guaranteed!

See your feed dealer. The better dealers won't offer imitations. If he doesn't handle Pratts, write us.



Buttermilk Growing Mash
Baby Chick Food Laying Mash
AMERICA'S QUALITY FEED LINE

When anyone can make as good a baby chick food as Pratts it's a cinch their growing mash must be a little better, too.

PRATT FOOD COMPANY, Dept. 3-A, 124 Walnut Street, Philadelphia, Pa.

PLYMOUTH ROCK MONTHLY

HT 1949-DEC 31
BEA N-SITE FARM
BOX 35
SANFORD MAINE



December, 1931

10 CENTS



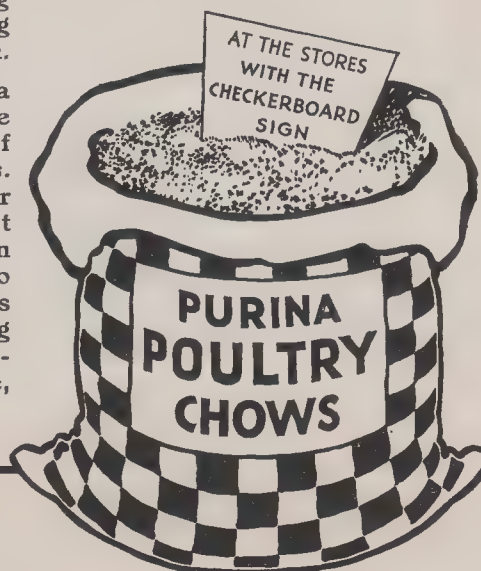
A LAYER CAN USE ONLY $\frac{1}{4}$ CUPFUL OF FEED PER DAY IN MAKING AN EGG

EACH LAYER OF YOURS can use only $\frac{1}{4}$ cupful of feed per day in making an egg. If there's plenty of egg-making stuff in this $\frac{1}{4}$ cupful she makes an egg...and lays on most days of the month. But if little egg-making stuff is in her $\frac{1}{4}$ cupful today she must wait one...two...perhaps three days or more to get enough feed to make an egg. Result...she can lay only on a few days of the month.

True, a layer does eat one cupful of feed per day. But she uses $\frac{3}{4}$ of the cupful to keep up her body. Nature makes her take care of herself first. The $\frac{1}{4}$ cupful left she can use to make eggs. How important that this $\frac{1}{4}$ cupful be the very best! That it contain every single thing a layer needs to make an egg. That's why you'll be money ahead when you feed Purina Laying Chows. Many ingredients you'll find in the tiny $\frac{1}{4}$ cupful of Purina Laying Chows...each ingredient there to help in the job of making an egg...to make your layers lay on most days of the month.

The Purina Chow Experiment Farm and the Purina Chow chemists are busy week in and week out in the business of knowing what ingredients and how much of each should go into this $\frac{1}{4}$ cupful Purina Laying Chows. Then the huge Purina Chow mixers turn the feed over and over...960 times...making every tiny ounce just alike. These are some of the reasons why you'll find in the tiny $\frac{1}{4}$ cupful all of the things your layers need to make eggs...to make extra eggs every month. This makes a whale of a difference because just one extra egg per layer each month gives you 50c extra income per 100-pound of feed. Purina Mills, 878 Checkerboard Square, Saint Louis, Missouri.

THE average layer eats 6 pounds of feed per month. If these 6 pounds of feed produce an extra egg worth 3c...that gives you $\frac{1}{2}$ c extra income per pound of feed or 50c more per 100-pound bag. Even if the egg is worth only $1\frac{1}{2}$ c or 2c it makes a whale of a difference!



THE PURINA POULTRY CHOWS

EGG CHOWDER
(mash...for eggs)

LAY CHOW
(mash...for eggs)

HEN CHOW
(scratch...for eggs, for growth)

STARTENA CHOW
(mash or all-mash...for chicks)

CHICK CHOW
(scratch...for chicks)

GROWENA CHOW
(mash...for growth)

Now—

Solve this Puzzle . . . That's All To Qualify for this Opportunity

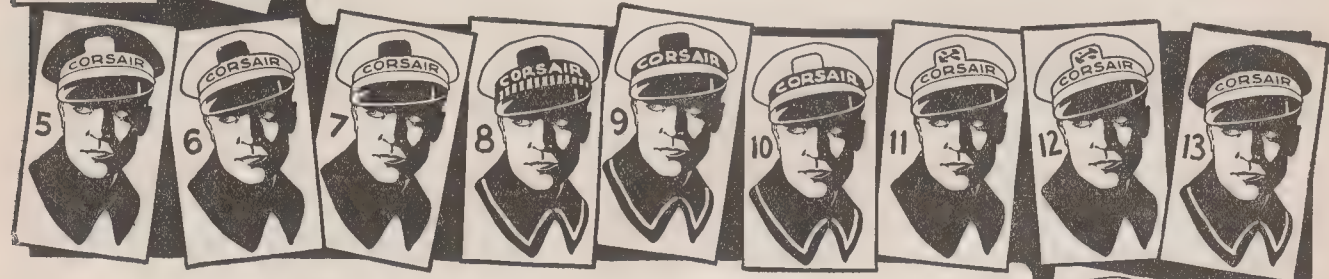
WIN \$500.00

We Want Publicity And . . . We'll Give \$5975.00 To Get It!

Here's something that's new! . . . as new as tomorrow or the latest fashion from Paris . . . and fun for all! Here is an offer that is sponsored by a \$1,000,000 concern, founded in 1893, and known from coast to coast . . . an offer in which you can win \$2500.00 in cash! Try it! There are many other big cash prizes too . . . \$5975.00 in all.

As a means for introducing this amazing distribution of \$5975.00 in prizes to the public, we offer a special test in the seventeen pictures of Chester Morris shown here. Chester Morris, you know, is the United Artists' star, who is now appearing in the great new movie, "Corsair." "Corsair" is a picture everyone will enjoy. By all means, plan to see it if you love romance, adventure, and genuine thrills.

And if you would like to win \$2500.00 easily and quickly as I will tell you, read the instructions given below and send your answer . . . quick!



\$500.00 EXTRA GIVEN FOR PROMPTNESS

Mail your answer at once . . . before you do another thing! The winner of the first prize to be awarded will receive \$500.00 extra for being prompt—a total of \$2500.00. Each entrant will be carefully graded, and when the final decision is made, the winners will be selected according to their grades.

INSTRUCTIONS AND RULES FOR SENDING ANSWER

Of the seventeen pictures of Chester Morris shown in this advertisement, eight pairs are twins. This leaves **JUST ONE AND ONLY ONE** that is different than all the rest. Look at the

caps and the collars, their colors and designs. Study every detail carefully. Maybe you will be able to find the different one. That's what you must do . . . **HURRY!**

If there are ties for any of the prizes, we will pay duplicate prizes to those tying. No one living in Chicago or outside the U. S. A. is eligible to take part in this offer.

Look carefully now and send the number of the picture you believe is different. If you send the correct one, you will be notified at once. Mail your answer today to—**Mr. E. C. BENEDICT, Prize Dir., Room 138, 500 North Dearborn Street, Chicago, Illinois**



The Editor Says

"I've Flunked Several Times Myself"

ONE of the most important educators in the Middle West, Professor Walter Morrow, of the Central State Teachers' College of Missouri, said recently to a prospective student who mentioned that his high school grades in some subjects were not as good as in others, "Well, don't worry, I've flunked several times myself."

Yet for more than forty years, this man has kept on, each year going farther in his progress in education, his universal kindness and interest, his saving sense of humor, his understanding making him popular with townspeople and students alike, and giving to the school where he is Dean of the Faculty, that atmosphere that warms and holds and unfolds the best in those who come within it.

He can laugh and sympathize and encourage. He has flunked several times himself. But he has never allowed flunking to be the final event, to be the end of the story. It really is not as bad to flunk as it might be, if a man tries again.

Flunking is just the college term for failing in one's studies. It is a common word in American slang! And using it, we can say with sometimes even tragic truth, that many a poultryman has flunked, and some of them, thanks be, have flunked several times. It might be much worse to flunk only once, if one stopped there and never tried again. But the man or woman with the divine elements of greatness, keeps on, stronger after each stumbling, sure-footed, every kick a boost, every failure a chance to try harder. Nobody ever saw such a person prove to be an ultimate failure, for this kind of courage is never willing to fail.

Most of us who specialize in poultry might truthfully admit that judged by average net income, we have failed this year. But if we have held on, if we have kept trying, if we have learned how to do a little more good work in a little less time, how to utilize what we have better, how to cut down costs we had supposed necessary in more easy-going days, we have not failed, although for this season there may be too much red ink in the account books. We are better ready to make profits when times and conditions and prices are better adjusted.

"I've flunked several times myself." The big man can laugh and admit it, for he knows the tremendous power that comes on the trial-and-error path to progress and how certainly that path must forever unveil the beauty of man's highest achievement at its peak.

This season of 1931 is not the end of the world for us. We can try again.

Good Feeding

"Aren't people funny?" good-humoredly asked a man who was able to view objectively the scene about him.

Yes, most of us are. We do some rather queer things and often as we look back, we see that they were funny

and they made us funny! One of these funny things we do goes this way: When market prices for poultry and eggs are high and demand is good, we do not mind how much good feed we buy. We ride the crest and the cost does not bother.

But let prices go lower, as they have been this season, and we seem to overlook the fact that feed prices have also gone lower, that there is not only the need to pay closer attention to business, but really often the better opportunity to make actual net profits, and we just let the chickens run and take care of themselves, and like most unsupervised investments, they never pay. When on the market in the Middle West, three dozen eggs will bring enough to buy two bushels of wheat, do we not have a better basis for actual profits than most of us have ever known?

Yet who ever heard of pullets that have rustled their living really attaining enough size and stamina soon enough to pay profits? Good feeding is the secret of having the egg basket full.

A farm woman once stated that she could not afford to keep dry mash before her hens, because they ate too much of it. She had not figured that before a hen could lay an egg, the body of the hen must be in good flesh and well nourished and then the number of eggs she could lay must be determined by her capacity for eating and digesting feed not required for body upkeep. The more she could eat, the more she could lay, therefore the need was to get her to eat and eat of a ration balanced so that it would supply nutrients that would make yolks and whites and shells in the greatest numbers. In the dry mash we have easily digested ground grain products that carry minerals and animal proteins wholesomely and appetizingly and so we need never worry about losing money if the hens eat a great deal of mash.

Good feeding always pays and we have a good chance to try it this winter.

Winning at the Shows

In no other place is it more clearly proved that genius is the capacity for taking infinite pains than in producing and fitting and delivering a winner at the poultry shows. With the new ruling that two females and a male can constitute a pen at a poultry exhibit, it would seem that we should have even higher quality in pens, since it should be easier to select two females very alike than four as similar, and the entry fee should be less on the new and smaller pen, since less coop room and less feed and care should be required, and we should have more entries. The keener the competition, the more honor in winning, and the more the genius of the fancier shines forth.

It is doubtful if the mere making of money from the best commercial flock ever gave its owner the thrill he

can have from seeing the blue and the purple on his winners at the shows.

Showing time is here, and our poultry industry needs the tremendous impetus deserved high winning have always given.

Let's prepare and put some winners in the shows. None of us can rightly estimate how much less of a slump our poultry might have had, if we had not allowed ourselves to lose, for a time, our earlier interest in showing our birds and winning with them at the shows.

ST. LOUIS NATIONAL POULTRY SHOW October 10-18, 1931

By O. R. ERNST

Out at the National Dairy Show things were humming along pretty nicely. Some great herds of cattle were shown. The big, marvelous arena is probably one of, if not the finest in the entire country. Stock exhibits were there from far and wide, and every direction.

The St. Louis National Poultry Show was held here at the same time. A most wonderful show could have been built up if different housing conditions were allotted to the poultry department. Secretary of Poultry Charles Key Cullom, an old time St. Louis poultry show manager, labored under heavy difficulties, but handled the show with good dispatch. Mr. Cullom deserves much credit. The reports on the show this year were that the entry numbered about the same as that of last year. This year the first four days of the show were given over to rabbits, pigeons, and small stock. Then these were cooped out and the poultry was cooped in. These remained until closing time on Sunday evening. General conditions slowed up the attendance somewhat, but the last half of the week showed quite an increase. The State Bureau of Marketing furthered the egg show and the response was about one hundred dozen of fine eggs. The St. Louis National Poultry Show is already making plans for 1932, and in due time announcements of the next show will be made.

The awards:

Exhibition Barred Rocks—James Graham: 1 cock, 5 cockerel. F. L. Bossingham: 1 cockerel. Mrs. Charles E. Popham: 3 hen, 3 cockerel. H. E. Boggs: 2-4 cockerel. Henry Keller: 1-2 hen, 1-2 pullet.

Cockerel Bred Barred Rocks—Russell McCann: 1 hen. Mrs. Charles E. Popham: 2 hen 4 pullet, 2 young pen. Bentley & Staub: 3-5 pullet. F. L. Bossingham: 2 pullet, 1 young pen. James Graham: 1 pullet. Walter Haefel: 3 young pen.

Pullet Bred Barred Rocks—Henry Keller: 2-3 cock, 1-2 cockerel, 1 young pen. Walter Haefel: 1 cock, 4-5 cockerel. Mrs. Charles E. Popham: 3 cockerel.

White Rocks—Maramac Farms: 1-2 cock, 3-4 cockerel, 1-2 pullet. O. A. Vogel: 1-2 cockerel.

Buff Rocks—Mrs. Charles Gutch: 1 cock, 1 hen, 1 cockerel, 3 pullet. Ansel F. Stuggel: 2-3 cockerel. H. M. Davis: 4-5 cockerel. F. M. Bertelsman: 1-2-4-5 pullet.

PLYMOUTH ROCK AWARDS AT TENNESSEE STATE FAIR

Barred—John Pritchard: 2-3 cock, 2 hen. C. L. Cummings: 4-5 cock, 4-5 hen, 2-3-4 cockerel, 3 pullet, 1 young pen, 1 old pen. Will Harding: 1 hen. Stanton Hunter: 1 cock. Harry Ganaway: 3 hen, 1-2 pullet. Mrs. Wilson Thompson: 1 cockerel, 4-5 pullet.

White—W. R. Campbell: 1-2-4 cock, 1-2-3-4-5 hen, 1-2-3 cockerel, 1-2-3-4-5 pullet, 1-2 young pen, 1 old pen. Stanton Hunter: 3 cock.

Buff—J. R. Highers: 1-2 cock, 2-3 hen. John Pritchard: 1-2-3 cockerel, 1-2-3-4 pullet. Stanton Hunter: 1-4 hen.

MADISON SQUARE GARDEN POULTRY SHOW

Secretary D. Lincoln Orr wishes to remind exhibitors that the closing date for entries is December 18. Show dates are January 13-14-15-16-17, opening Wednesday morning and closing on Sunday night as usual. All entries for this show should be addressed directly to Fred W. Otte, Recording-Secretary, at Peekskill, N. Y. Secretary Orr is trying to arrange an auction sale with the exhibitors. They will be asked in advance whether the idea should be carried out. A new idea is to be tried at this exhibit. Judging is to begin on Tuesday noon, and marked catalogues gotten out at once. This would bring the marked catalogues on the floor the second morning of the show. It is a good idea and with the co-operation of the exhibitors could be worked out fine. However, the birds would have to be at the Garden promptly.—O. R. E.

PRIZE LAYING BEAUTIES



"ARISTOCRAT" Barred Rocks are a wonder laying strain of beautiful chickens. Not only the World's richest show and exhibit fowls, but at the same time exceedingly prolific layers, with many official 300-egg records, up to 331 in one year. No other poultry approaches "ARISTOCRATS" in the combination of these two invaluable qualities—in the same fowls! Simply in a class by themselves!

PROLIFIC LAYERS

Some of the greatest laying records ever made are theirs: 301, 305, 307, 314, 331 eggs in one year; 123 eggs in 123 consecutive days; 1468 eggs (value \$298.80) in lifetime of one hen; 1440 eggs a year by 5 "Aristocrat" hens at Official Laying Contest; 300 eggs in 343 days; 361 eggs between molts; 125 eggs in 128 days, etc., etc.—marvelous records like these are being made by "Aristocrats," in the hands of HOLTERMAN CUSTOMERS—in all parts of the world! Prolific layers of large eggs—especially in coldest winter months!

CHAMPION SHOWBIRDS

These same birds are Champion Prizewinners in the World's Greatest Exhibitions. International Winners—at Boston, Chicago, Brussels, Havana, London, Guelph, Toronto, Denver, Los Angeles, Seattle, Indianapolis, Minneapolis, Detroit, Birmingham, San Antonio, Waco, Dallas, Houston, Kansas City, St. Louis, New Orleans, etc., etc.! First Prize, Sweepstakes, and Championship Winners—for HOLTERMAN CUSTOMERS—in thousands of shows, large and small.

Beautiful beyond compare! Every bird sold carries the beauty and power of "Aristocrat" breeding. Large, beautiful catalog gives photographs and proofs.

Choice foundation stock at Bargain Prices. Write today for special NOVEMBER price list and FREE CATALOG. Use coupon.

W. D. HOLTERMAN

FANCIER, BOX N,
Fort Wayne Indiana

W. D. HOLTERMAN, Fancier,
Box N, Fort Wayne, Ind.

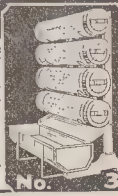
Kindly mail me at once bargain list and beautiful CATALOG of "ARISTOCRATS."

Name.....
Address.....



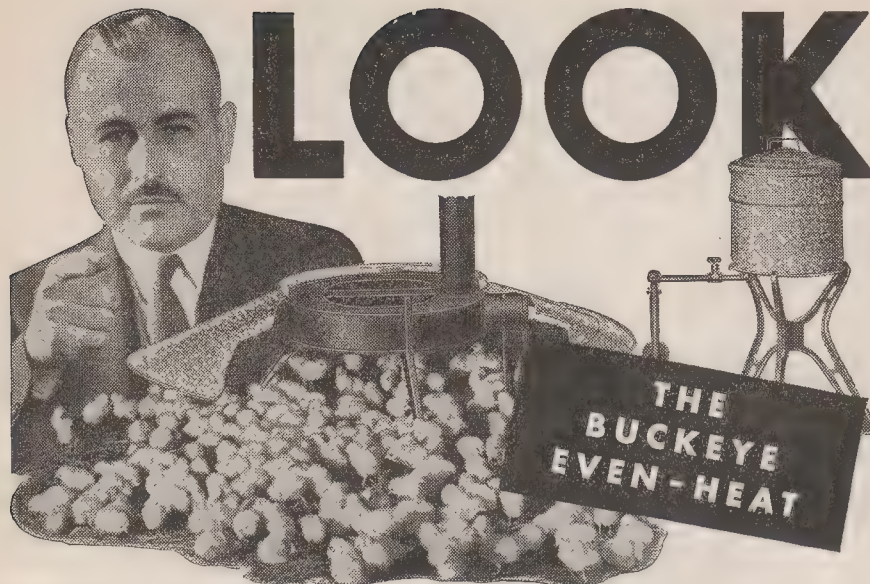
AMAZING "NO MOLD" SPROUTER

Get more eggs, at less MONEY BACK less money. If you aren't cost by feeding succulent PLUS 10% satisfied we refund you 10% sprouted oats from this cash bonus, besides full amazing, improved No- purchase price. Tear out Mold sprouter. 100% free- this ad for valuable circu- dom from mold guaranteed. lar on sprouted oats, illustra- Grain stirred without touch- tions, prices and bonus guaran- tee. Write today. 1 gal. to 4 bu- larger capacity in much small- per day capacity. C. W. Ashing- er floor space. Rat-proof, saves Mfg. Co., 21 Roger St., Laurel, Ia.



PETERSIME Electric INCUBATORS

First always in hatching results—catalog free—
IRA M. PETERSIME & SON, Gettysburg, Ohio.



A SENSATIONAL NEW AND DIFFERENT OIL-BURNING BROODER

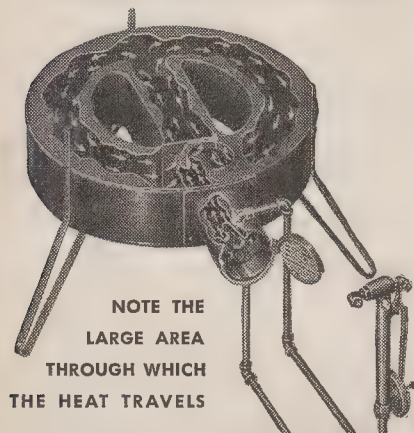
AT AN AMAZING LOW PRICE

Here is an automatic oil-burning brooder that's different from anything you've ever seen. It's different in design. Different in construction. Different in operation. And it's different in the results it gives.

Revolutionary "Hot Circle Heater"

Look at the illustration below. This is the amazing new heating system in the Buckeye Even-Heat. Note its extreme simplicity, its lack of "gadgets" and troublesome mechanisms. And look at

HERE'S THE AMAZING HOT CIRCLE HEATER



Buckeye
COLONY BROODERS

the enormous area through which heat must travel. Yes, when you see this wonderful "Hot Circle Heater" it's easy to understand why it has a *potential heating capacity equivalent to 280 square feet of steam radiation*. . . why it gives more heat than will ever be needed, even in coldest temperatures.

Fuel-Saving Burner

And the Even-Heat burner actually revolutionizes the whole theory of oil brooder construction. You'll marvel at its simplicity. There's absolutely nothing to "tinker with" or demand attention. But it's the most fool-proof, accurate burner ever invented. And it supplies a tremendous amount of heat with only a fraction of the fuel demanded before.

Send Coupon Today

But get *all* the facts about the new Buckeye Even-Heat. Let us show you how this *entirely automatic* brooder can be used as a canopy brooder or room heater. . . how it provides greater hovering area. . . how it *cuts fuel costs to a fraction*. . . how *radically low priced* it is. You owe it to yourself to find out about this newest and most profitable way to brood your flocks. Don't wait. Send coupon today for complete details.

THE BUCKEYE INCUBATOR CO.
F-6712 Central Ave., Cleveland, Ohio

SEND FOR THE NEW BUCKEYE BROODER BOOK NOW

Gives facts about opportunities in poultry raising. Tells about *Buckeye Coal-Burning Brooder* and why it is used by thousands of poultry raisers. Also tells about other Buckeye Brooders—"Rite-Heat" Oil-Burning, "Blue-Flame" Oil-Burning, and Gas Burning.

MAIL COUPON

THE BUCKEYE INCUBATOR COMPANY,
F-6712 Central Ave., Cleveland, Ohio.

I want to know more about your New Buckeye EVEN-HEAT Oil-Burning Brooder and other Buckeye Colony Brooders. Send your Book today.

Name.....

Address.....

P.O.....State.....

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The Pullets Must Be Comfortable

By S. L. BALLOUN

WITH the first cold snap of winter at hand and real winter storms just around the corner, how many of us have adequately prepared our chickens for the cold winter months? I venture to say that few poultrymen, even the most progressive, have done as much to their poultry houses as they had planned last spring. But now cold weather is at hand, and it is up to us to do our best to bring that flock of pullets up to full production and to keep them there under adverse weather conditions. This means that they will have warmth; that they will have plenty of space in the poultry house; and that they will have dry, fresh air constantly.

Of the four essential factors to high production; namely, high quality stock, disease-free stock, good feed, and good housing, the last is probably the one around which a great deal of our winter ailments in poultry hinge. And very often it is the one factor most apt to be overlooked. No pullet, no matter how good his stock and how well-fed, can lay normally if hindered by colds, catarrh, roup or any of the other ailments rising directly from poor housing conditions. Here is where "a stitch in time will save nine." In fact, a little care and repair now will do what it will be impossible to do later in the winter—put the pullets in such condition that they will produce profitably throughout the winter.

What is a good poultry house? The best answer to that question is that a good poultry house is probably the kind with which most of the best poultrymen in the community have good success. This might not be the best type for all of us, but undoubtedly it is good, and with a few minor changes to fit our particular conditions should house our flocks as well as the flocks of our neighbors are housed. Suppose we decide to rebuild or remodel our poultry house; then, we must choose a good location, supply ample space for the birds, distribute the sunlight properly, provide adequate ventilation, provide warmth and comfort for the flock. In doing these things we must build a house that is durable, and convenient to the poultryman.

A well-drained location is the first essential factor to consider. Low, damp spots might be warm and protected from the wind, but such locations are certain to be poorly ventilated; and the house will most certainly be damp and the chickens constantly bothered by colds and roup. Such a location is out of the question. In addition, the location should be convenient to the rest of the farm buildings; the soil should be fertile enough to grow summer range for the growing pullets; and it is preferable to have a southern slope so as to protect from cold winds and to provide the maximum of sunlight in the house. Look at your poultry house location; perhaps you can find the cause of a great many troubles there.

Experience has taught us that it never

pays to crowd birds in their winter quarters. To do their best work, pullets of the medium-sized breeds should have at least four square feet of floor space in the laying house. This means that for a flock of 100 laying pullets and hens, we must provide a house at least 20x20 ft. for best results. For proportionately larger flocks we add more length to our 20-ft. house.

In addition to proper space in the poultry house, the hens are also entitled to adequate sunlight and will respond readily to additions in this respect. Sunshine adds



Ready for winter quarters.

warmth to the house, cheers the birds by creating a spring-like atmosphere, dries the house, makes for better sanitation and supplies a very necessary vitamin to the birds. Our experience shows that sunlight induces the hens to work harder, lay more eggs and to lay eggs with thicker shells. Just why this is so would take a long explanation; but we get the eggs, so why worry?

Ventilation, because so often neglected, is probably the most important single item in the care of the poultry house. We must have a constant supply of fresh air for the hens, but how to supply this without undue drafts is a problem. Besides supplying the very necessary fresh air for the birds, proper ventilation keeps the poultry house dry and clean. Just what adequate ventilation is, may be estimated by taking into consideration the requirements of the hen. It has been carefully calculated by experimenters that to supply the hen with the necessary oxygen, air must enter the house at the rate of about 35

cu. ft. per hour per hen. This means that for our flock of 100 hens we must have 3,500 cu. ft. of air per hour. We wonder how often our hens get this amount. It is easy to provide but we must take proper precautions to prevent drafts. The open-front type, with some sort of deflecting screen to keep the draft off the roosts, is probably the most simple and most effective means of providing ventilation. If the air can be brought in through windows on the south side of the building and above the roosts, danger from drafts is reduced to a minimum. Small ventilators set on top of the chicken house may look very decorative, but they are ordinarily very inadequate and must be supplemented by some sort of inlet in another part of the chicken house.

No poultry house, no matter how good in other ways, is worth much if it is not dry. Chickens have no sweat glands and consequently they must depend to a large extent on their breathing to eliminate a great deal of moisture. If the house is already damp, the excess moisture gathers on the walls and the litter, with serious effects to the health of the birds. To aid in keeping the house dry, it is first necessary that the location be dry. Sunlight and plenty of ventilation will usually take care of the rest, but a straw loft will help in absorbing any surplus moisture.

We all know that a hen will not produce to capacity under uncomfortable conditions, but we do not know just what conditions are the most comfortable to the hen. Within certain ranges, however, we can at least determine the temperature at which the hens seem the most wide-awake and healthy. Experience tells us that a uniform temperature is, within rather wide ranges, always better than a changing temperature. Warm or cold, the hen will lay more eggs if the temperature stays on one level, than if it is subject to sudden changes. However, we can go a little farther and say that the hens will do better work at temperatures ranging between 40 and 50 degrees than at colder temperatures. If the chicken house is so cold that the drinking water freezes in the container, the chances are that the hens do not feel comfortable enough to produce at their highest capacity.

The up-and-coming poultryman will consider seriously the question of the comfort of his birds at this time of the year. He will make the necessary repairs and additions to his house that his birds will have adequate sunshine, proper ventilation without admitting drafts or snow and rain, a well-drained location as to both air and soil; and a warm, dry, durable house. These will all add greatly to the comfort of his birds as well as to his production this winter. Look around your laying house—have you neglected any of these points?

Certain Ways to December Profits

By MRS. GEO. B. SIMMONS, Marshall, Mo.

IT IS probable that here is the month, December, when there is the greatest desire for profits known in any month of the year. The Christmas season calls for profits, and in many localities, taxes must be paid before the first of January. There is nothing more encouraging than a flock of singing, laying pullets filling the air with cheer and the baskets with eggs!

Thinking over the questions that come to our farm home in each day's mail, I am persuaded that the most important causes of losses should not occur at all, or can be prevented and controlled without any magic or undue expense.

We have unpleasant housing conditions, worms, colds, and their worse offspring, roup, lice and mites, improper care and marketing of the eggs, failure to look for and keep a good outlet for surplus eggs and poultry, and I think I should climax the list with that vague feeling of discouragement that makes all work lag and all hope be dormant. Some fixed ideas die hard, and for many years, everybody must have had the idea that hens were to lay only in the spring and summer.

One of the reasons why it is easy to wander around, in undertaking to write anything about poultry work, is because that so many conditions are so connected with other conditions that we cannot cover one subject well without speaking of others.

Unpleasant housing conditions can be the predisposing factor in continuous roup infection and worm infestation, in the endless propagation of lice and mites, in the production of soiled eggs, often in the beginning and the continuing of the egg-eating habit, and in the feeling that the production of eggs and poultry meat is not good enough to justify looking for a market that is discriminating. I doubt if there is anything more important for the flock than to have a comfortable house. Making a poor house satisfactory for chickens seems so puzzling to many. They do not realize that doing so is merely doing a number of little easy tasks that almost any person can do.

Many poultry houses have earth floors, and I know that this is not a very opportune time to suggest any extra expense in putting in cement or board floors. If you are able to do so, very well, but just now I shall not suggest it, knowing farm conditions as I really do!

The average earth floor, after a long, dry summer is likely to be very dusty, which is bad for poultry. Or, if it is in a house set in a damp place the fall rains may have left it damp, and this is bad also. Such floors are most likely worm-infested, and sometimes rats have burrowed under them. Often they are dug out until some places the dirt is much higher than in

other places. Except in the extreme north, there should be a number of December days when it is possible to find and haul in dry earth to fill over the floor. This may be tamped down as level as possible, and then ordinary, used crankcase oil, which many filling stations and garages will give you for the asking, if you furnish the cans, may be spread over the floor. A good way is to put a gallon of crude carboic acid in each ten gallons of the used oil and then sprinkle it over the floor. It is not necessary to put on all you expect to use, at once, because this will make the floor oily and soil the feathers and eggs of the flock, but sprinkle enough to keep down the dust and the next week put on more, until you have a good oiled floor that is not easily water-soaked and that will not kick up into blinding, choking dust. Filling in, until the floor level inside the poultry house is several inches higher than the ground level outside the house, will always help greatly in keeping the floor of the poultry house dry. Of course, if you can haul cinders or broken stone and put in a layer of several inches, then put the fresh earth and oil over that and you will have a better floor than earth alone, but filling in with clean dirt and oiling it, is the least expensive method and certain to help any dusty, worn, or damp earth floor. It also buries the worms' eggs too far beneath the surface for them to do any harm as long as the new surface is kept in order, and gives a floor much more easily cleaned. Having the floor in better condition helps in keeping the nests clean, and, therefore, the eggs. Even a hen can hardly be blamed for disliking a dirty, dusty nest where there is only old scanty broken straw, if anything, for bedding. Pleasant housing means clean nests, and plenty of them—four or five hens to the nest being about right, some authorities tell us.

Colds and roup often fail to yield to the best known remedies because housing

conditions are wrong. Both dust and dampness are very difficult for anything that has a cold and especially hard upon chickens, with their high body temperatures and their quick breathing. Drafts that can blow over the hens whether during the day while exercising on the floor, or at night while they are roosting, will aggravate any possible tendency to colds. Inadequate ventilation as shown by frost settling inside the house; or damp, heavy litter, will also make the hens very susceptible to colds. Crowding on the roosts and roosting in the corners on the floor is bad. Yet all of these can be remedied. There should be no openings low enough to allow wind to blow in over the floor of the house, and if there are, they can be closed over. One of the most frequent reasons for drafts over the roosts is careless building, leaving the droppings boards out from the back (north) wall of the poultry house. Even a few inches can make an air suction that will cause a draft. Build the droppings boards tight against the back of the house, and against the ends of the house as far out as they will go. This much of the house, from floor to ceiling, can well be insulated in some manner. The very cheapest way I know, which can serve while profits are being saved to pay for better, is to take laths or strips of discarded poultry netting, or hog fence and tack these to the studding. Stuff straw between them and the wall of the house. To do this on the entire back wall; on the ceiling over to, or beyond, the front of the droppings boards, and on the ends as far forward as the front of the droppings boards, is to help many a poultry house to be warmer and to have better, safer roosting quarters.

Houses that would have enough ventilation normally, often are damp and close and muggy, with frost settling around, because tight muslin curtains have been put over the windows. There are times

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View of Vineland, New Jersey, Egg Laying Contest, entirely equipped with Cel-O-Glass windows. (Cel-O-Glas installed in 1925 still in use without replacement.)

White Rocks at the Storrs Contest 1930-1931

KALEROK FARM, FIRST—E. A. HIRT, SECOND

By L. H. HARVEY

THE reason for this special report on White Rocks at the Storrs, Connecticut, Contest is the awarding of the special \$100 cash prize for the best all-around pen of White Plymouth Rocks in that contest.

Next year I hope both the White and Barred varieties can be included, as I understand that the Barred Rock breeders are making an offer along similar lines, even going the Whites one better, by offering first, second and third prizes. I presume that arrangements for these Barred Rock prizes were finally completed and are now being competed for at Storrs.

In the meantime, I notice from the Storrs report that James Dryden of California had the high Barred Rock pen, with R. Walter Bishop, second, and Pratt Experimental Farm, third. There were fourteen pens in competition so you can be sure that any one of these winning pens has real production breeding behind it.

Brief History of the Special White Rock Prize

Now about the White Rock prize. Harold Barber of Dover, Massachusetts, conceived the idea more than two years ago. And it's a good one. The idea behind the prize is that White Plymouth Rocks owe their popularity to the following combined characteristics: good meat birds, good layers of large eggs, and uniformity of size and shape.

In this connection, Judge Yant at the National White Rock Meet in Milwaukee, said, "If Plymouth Rock means anything, it means 'moderate.' If we get away from this moderation toward unusually high egg production, then we approach the Leghorn class and must certainly lose some of our meat qualities. On the other hand, if we breed for excessive body size, then we approach the Asiatics. Therefore, the wiser breeding policy would be nicely balanced between eggs and meat."

This, then, is the idea back of the Barber award. The White Rock pens at Storrs are, therefore, judged on the basis of egg count, egg size and Standard quality.

Harold Barber and Adam Poltl each contributed \$50.00 for the 1929-30 prize, which was won by E. H. Rucker. The prize money in the contest just closed was contributed by Harold Barber, E. A. Hirt, M. L. Chapman and Madison Square Garden.

Thirteen White Rock pens competed from the following breeders:

Harold Barber, C. M. Christian, Collins & Ripper, Davidson Brothers, L. H. Harvey, E. A. Hirt, Holtzapfel Poultry Farm

and Hatchery, Kalerok Farm, Albert T. Lenzen, Adam F. Poltl and E. H. Rucker.

Here is a mighty strong class and you will recognize at once that the going was "hot" in egg production.

For instance, the difference in egg points between second and fifth places was only fifty-two.

From the Standard standpoint, visitors to Storrs repeatedly said that the White Rocks were in a class by themselves.

Kalerok Farm Wins

Please bear in mind now that the winning pen must be made up of well-balanced individuals. The egg count and egg size are known exactly at the end of the year. The birds are also judged by a licensed A.P.A. judge.

On this basis, Kalerok Farm, although

January White Rock notes for those who are interested.

Something About Thomas W. Caless

Thomas W. Caless, owner of Kalerok Farm, was badly gassed in the war and had to take up outside work. He took vocational training in poultry at Massachusetts and after graduating, started his farm. Previously he had worked on poultry plants for two summers to get practical experience.

Mrs. Caless is just as interested in poultry as he is. She keeps the records, helps with the trapnesting and runs two retail egg routes, netting 65c per dozen for most of the eggs. Mr. Caless has a 1,400-bird plant, all birds under trapnests. He hatches in an electric incubator, broods with coal stoves and puts chicks on the ground immediately.

He now has twelve single male breeding pens and, pedigrees extensively.

Mr. Caless is a real breeder. That means he is a close student of inheritance and keeps the detailed records which are absolutely necessary to carry his knowledge right down to practical use. In short, he breeds his families

and fixes the desired characteristics in his strain by constantly seeking out the proven breeder.

I think we will hear more of Mr. Caless in the years just ahead.

In the meantime, we can now turn our attention to the third annual White Rock prize offered at the new Storrs Contest, which opened November 1, 1931.

What About Next Year's Entries?

True, there is hot competition at Storrs. This fact, no doubt, makes many of the younger White Rock breeders think they have no chance. But let me tell you that the younger breeders have no reason to feel ashamed of their record at Storrs this past year.

Suppose a first-time entry doesn't win one of the three first places. I'm telling everyone that records of 200 or over from Storrs, where the competition is hottest, are worth while, not to mention the education received from competing with the best.

Right now is the time to begin thinking about the 1932-33 contest. Plan your matings, your hatchery dates and get your inquiry to W. F. Kirkpatrick, Storrs Egg Laying Contest at Storrs, Connecticut. Then enter a pen of pullets.

Looking over the history of one particular group of pullets at Storrs this past season, I find they were hatched March 15

(Please turn to page 30)



The pen which won the special \$100.00 White Rock prize at the Storrs Contest. Owned by Kalerok Farm.

third in egg points, won the first place for all-around quality. Let's see just how this came about.

The birds scored an average of ninety-one points in Standard qualities. There were only nine birds in the pen at the end of the year, and their average lay was 200 eggs each. However, the total egg count for the pen for the entire year was 1,930 eggs and a total of 1,990 points.

Thus we see that this pen had fine exhibition quality, a good average lay per bird, and a total of 1,930 eggs that weighed on an average of more than twenty-four ounces to the dozen.

New England not only took first place, but second place as well. E. A. Hirt of South Weymouth, Massachusetts, won this honor. Incidentally, his birds laid the highest number of eggs for all White Rock pens, so Kalerok had to have better exhibition quality to win the all-around prize. Nevertheless, bearing in mind the fine Standard quality of all the White Rock pens, Mr. Hirt can well be proud of his record.

Looking at the egg records again, I see that Collins & Ripper were second to E. A. Hirt in egg production, Kalerok third, and Holtzapfel fourth. Have not received the final tabulation of points for all around excellence, yet, but this will appear in the

Egg Laying Contests Finish Successful Year

By FRANK GRUBER

IT IS a pleasure to publish the reports of the various egg laying contests for the year 1930-31, for they show the great strides that are being made in breeding for egg production.

The past year, more than ever, farmers have had to watch their feed costs, and as a result they have been culling out those birds that did not lay enough to pay for their keep. Next spring, they will buy their chicks more carefully and will make sure they come from high production flocks of proved laying ability.

The day of home records has passed, however; people now want proof of the laying ability of the flock. That is why they watch the reports of the laying contests and use them as a guide in their buying. Fortunate are those breeders who have official records to advertise.

Leghorns this year made some wonderful records at the laying contests. A new high record for the breed was set.

Barred and White Plymouth Rocks made some wonderful records at the laying contests the past year.

The honors in Barred Rocks undoubtedly go to the Pratt Experiment Farm of Morton, Pennsylvania. This farm had winning pens at nine contests.

Booth Farms of Clinton, Missouri, had winners at three egg laying contests. This farm also breeds Leghorns and Reds and made some fine records with the latter breeds.

High Barred Rock pen of all contests was won by James Dryden of California.

Royal Puritan Farms of Leroy, Minnesota, won high Barred Rock pen at the Partridge, Kansas, Contest for the third year in succession.

White Rock breeders are especially interested in the result of the Storrs Contest, at which the special White Rock prize was being offered. A full account of this prize is published elsewhere in this issue of the PLYMOUTH ROCK MONTHLY.

Collins & Ripper of Seymour, Iowa, again won high White Rock pen of all contests,

when their pen at Quincy, Illinois, laid 1,292 eggs. They also won high pen of the ten-bird contests with a record of 2,300 eggs or 2,440 points at the Oklahoma Contest.

Holtzapple Poultry Farm of Elida, Ohio, won at two contests, the Georgia and New York.

The reports of the various contests are given below. Names in black type indicate advertisers in this magazine. Look up their ads and see what they have to offer in the way of high egg production stock.

FINAL REPORTS OF STANDARD CONTESTS

	High Pen	High Hen
ALABAMA (Baton Rouge)		
10 hens.		
Pratt Exp. F. (B.R.)....2198	2146.65	290 \$11.55
E. H. Rucker (W.R.)....1925	1968.80	232 219.65
Egg-a-Day Farm (Leg.)...2644	2619	328 \$21.00
ARIZONA (Tucson)		
10 hens.		
C. N. Cunningham (B.R.)...1481	1474	
Geo. C. England (Leg.)...2581	2756	
CONN. (Storrs)		
10 hens.		
J. A. Hanson (Leg.)....2802	2759	
FLORIDA (Chipley)		
10 hens.		
Pratt Exp. Farm (B.R.)...2140	2024.05	280 286.30
E. H. Rucker (W.R.)....1706	1690.70	214 216.80
Pinebreeze Farm (Leg.)...2480	2594.65	301 310.10
GEORGIA (Athens)		
10 hens.		
Mrs. E. V. Cate (B.R.)...2147	2051	
Pratt Exp. Farm (B.R.)....		273 249.9
Holtzapple P. F. (W.R.)...1673	1629	232 228.8
T. D. Chapman (Leg.)...2915	2801	
Booth Farms (Red)....		284 310.10
LA. (Baton Rouge)		
10 hens.		
Booth Farms (B.R.)....1794	1640.38	
R. J. Hidalgo (W.R.)....885	877.88	
H. M. Bennett (Leg.)...2310	2312.50	
MAINE (Augusta)		
10 hens.		
L. E. Carney (B.R.)....1909	1906.25	
E. A. Hirt (W.R.)....1694	1625.10	
Parmenter's R. F. (Red)...2360	2299.80	
MICH. (E. Lansing)		
10 hens.		
Pratt Exp. Farm (B.R.)...2089	2004.05	
D. B. Wilhelm (W.R.)....1691	1620.05	
Smiley Farms (Leg.)...2552	2540.05	
N. Y. (Farmingdale)		
10 hens.		
Pratt Exp. Farm (B.R.)...2270	2038	
Holtzapple P. F. (W.R.)...1510	1485	
Hannah & Sons (Leg.)...2719	2738	
N. J. (Hunterdon)		
10 hens.		
Pratt Exp. Farm (B.R.)...2495	2277.30	304 268.00
W. C. Eckard (Leg.)....2484	2494.95	301 292.60
N. J. (Passaic)		
10 hens.		
Kerr Chickeries (B.R.)...1684	1567.75	250 248.75
Parmenter's R. F. (Red)...2350	2478.65	
Geo. Lowry (Leg.)....		324 347.90
N. J. (Vineland)		
10 hens.		
Pratt Exp. Farm (B.R.)...2386	2325.50	293 300.20
Blue Spruce F. (W.R.)...1597	1579.75	
The Hickories (W.R.)....		284 250.90
Walter's Leg. F. (Leg.)...2350	2478.65	

OKLA. (Goodwell)		
10 hens.		
Mrs. Pearl Maple (W.R.)...1523	1572.45	227 230.36
Booth Farms (Leg.)....2628	2476.85	290 304.30
OKLA. (Stillwater)		
10 hens.		
J. M. Affleck (B.R.)....2321	2377.20	284 295.45
Collins & Ripper (W.R.)...2300	2440.20	270 284.05
Gamble Leg. F. (Leg.)...2613	2791.60	
Smith's Leg. F. (Leg.)....		314 337.00
R. I. (Kingston)		
10 hens.		
Oakland Farm (B.R.)....2408	2468.80	
Lewis Farms (B.R.)....		305 306.20
Leighton Orch. (Leg.)...2652	2663.90	
TEXAS (College Station)		
10 hens.		
Golden Rule P. F. (B.R.)...2415	2243.25	
Mrs. Fr. Dubach (W.R.)...1844	1798.30	
Geo. C. England (Leg.)...2369	2935.65	
TEXAS (Stephenville)		
10 hens.		
Pratt Exp. Farm (B.R.)...2268	2145.75	
Geo. B. Koller (Leg.)...2838	2954.75	
TEXAS (San Antonio)		
10 hens.		
Pratt Exp. Farm (B.R.)...2423	2247.75	
Jo-Mar Farm (W.R.)....1734	1730.55	
W. A. Seidel (Leg.)...2598	2691.55	
WASH. (Puyallup)		
10 hens.		
James Dryden (B.R.)....2380	2301.90	280 262.50
E. H. Rucker (W.R.)....1422	1313.55	210 216.05
P. B. Rowley (Leg.)....2601	2677.60	
Wold P. F. (Leg.)....		313 306.50

FINAL REPORTS OF NON-STANDARD CONTESTS

	High Pen	High Hen
CALIF. (Santa Cruz)		
10 hens.		
D. D. Smith (B.R.)....1730		209
M. M. Smith (W.R.)....1310		220
Keau P. F. (Leg.)....2882		309
COLO. (Ft. Collins)		
10 hens.		
J. M. Affleck (B.R.)....2333		275
M. Schabacker (W.R.)...1095		
Hill & Robertson (W.R.)....		224
Rocky Ford H. (Leg.)...2400		
Dry Climate H. (Leg.)....		303
ILLINOIS (Kankakee)		
5 hens.		
Herman Timm (B.R.)....1105		
J. A. Hanson (Leg.)....1542		
ILL. (Murfreesboro)		
5 hens.		
Booth Farms (B.R.)....1202		
Wm. Zeigler (W.R.)....1042		
Illinois Hatch. (Leg.)...1477		
ILLINOIS (Quincy)		
5 hens.		
Booth Farms (B.R.)....917		
Collins & Ripper (W.R.)...1298		
Roark Bros. (Leg.)....1442		
KANSAS (Partridge)		
5 hens.		
Royal Puritan F. (B.R.)...963		
Lewis Hatchery (Leg.)...1126		
MD. (College Park)		
10 hens.		
(Oct. 23—1 week to go)		
L. L. Powers (B.R.)....2231		
Confidence Farms (Leg.)...2772		
MO. NAT'L (Mt. Grove)		
5 hens.		
Pratt Exp. Farm (B.R.)...1218		271
Gilbert Hill (W.R.)....1098		
Collins & Ripper (W.R.)....		270
Price Tyler (Leg.)....1802		
Kabeyun Farms (Aust.)....		318
PA. (Philadelphia)		
10 hens.		
J. L. Darlington (B.R.)...1833		250
H. J. Zweier (W.R.)....1657		206
F. B. Austin (Leg.)....2304		
Wm. Park (Leg.)....		309

Profits and Costs

Whether a farmer spends \$8, \$10 or \$20 an acre in producing his crop of corn makes little or no difference in the price at which his crop sells on the market, but it is often the deciding factor in determining whether or not he is going to make a profit from his farm operations. Cows produce just as much butter fat and pigs grow into hogs just as quickly on low cost corn as they do on corn produced on a high cost basis. There is a marked difference, however, in the ability of the more efficient producer to meet his financial obligations at the bank and still have something left over to spend with the merchants.

Not every man, it is true, has the experience or the opportunity to equal the success of his most prosperous neighbor—

in farming or in any other business—but every one can and should prepare and plan to the best of his ability to lower his costs and increase his cash income. Not every man can change in one or two seasons from the least efficient to the most efficient machines and methods—but every one can make some changes, some new plans, each year, working up gradually.

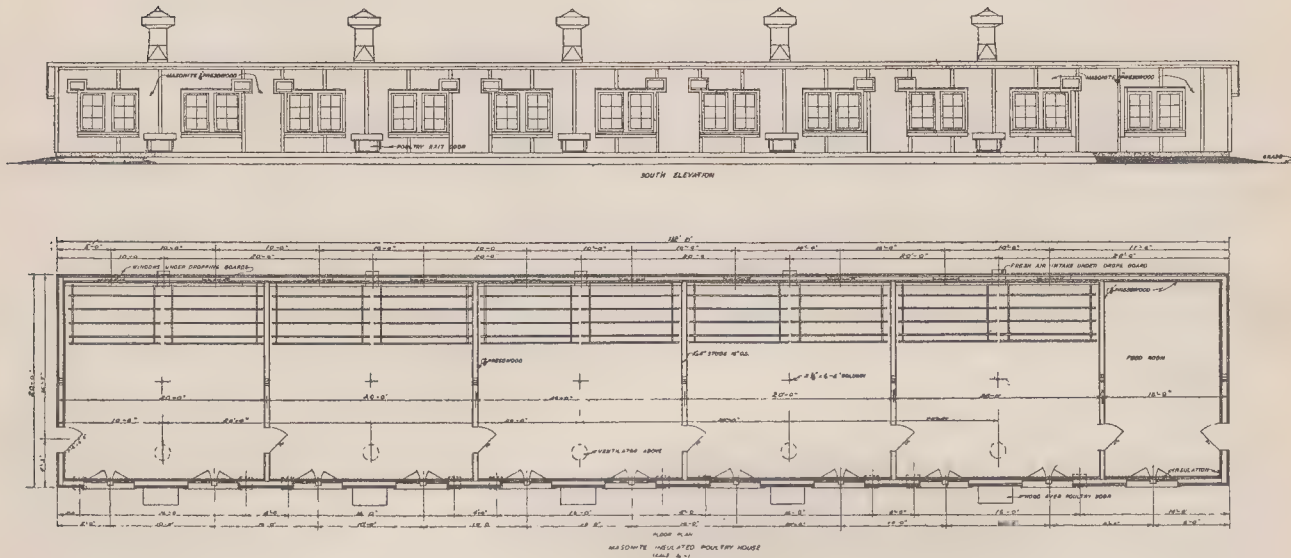
Old plans, old methods, and obsolete machines are a severe handicap which must be thrust aside. These are times for more economical production with gang plows instead of walkers or sulkies; 2-row cultivators or rotary hoes instead of 1-row or 1/2-row cultivators; tandem disk harrows instead of single; spreaders instead of manure forks; litter carriers instead of wheel-

barrows; milkers instead of human hands; cream separators instead of pans; improved, labor-saving equipment for the economical preparation of efficient animal and poultry feeds, for the handling of hay and grain, and for the care of poultry and market and dairy animals. There is almost no end to the wide variety of time-saving, profit-building farm equipment which is available—yet the individual farmer often needs to consider only one or two changes in his equipment to reduce his costs to a more profitable level.

To eliminate even only one obsolete method is to make a start in the right direction; clearly worthwhile in a season like the present when profit hinges so closely on the cost of production.

Insulation An Essential in Modern Poultry House Construction

With Extracts From Bulletin 94 of the Agricultural Extension Service of the Ohio State University



ALL experts on poultry house construction are agreed that the essentials of a good house include

1. Protection against extremes in temperature (both high and low).
2. Freedom from dampness.
3. Proper control of ventilation and freedom from drafts.

Poultry houses are hard to keep at a comfortable temperature because of the large number of cubic feet of space they contain in comparison to the size of the birds. The trouble is that poultry houses are designed for the convenience of the attendant rather than the comfort of the birds. If poultry houses were built in the same proportion to the height of the birds

as the rooms of our houses are to our height, we would probably build our poultry houses about thirty inches high.

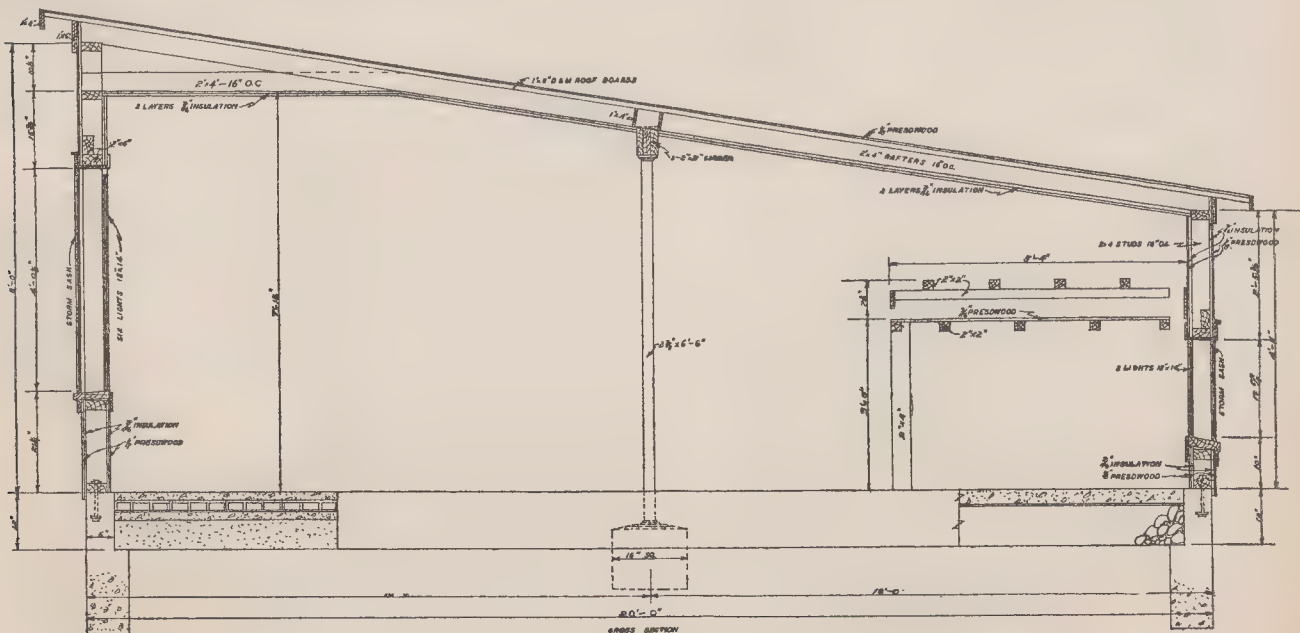
Another reason why it is difficult to control the temperature in poultry houses is that every crack or crevice permitting air to pass out of the house also allows some heat to escape. Experiments have shown that there is enough leakage in the average residence to completely change the air every hour. In poultry houses where doors are frequently opened to the outside, or where the windows are loosely fitted and the construction is not especially tight, the air probably changes three or four times every hour.

Since it is a very easy matter to supply

fresh air and properly ventilate the poultry house by opening the windows, it is advisable to make the building as airtight as possible in order to conserve the greatest amount of heat during sub-zero weather, when it is most needed. It is an easy matter to get rid of the surplus heat by opening the windows.

The problem of temperature control is further complicated by heat losses due to conduction, convection and radiation. Conduction is a process of heat passing through solid materials. The ability to conduct heat varies widely with different materials. Concrete, brick, iron and all metals are good conductors through which

(Please turn to page 27)



Masonite Insulated Poultry House

Pratt Experimental Farm Barred Plymouth Rocks in 1930-31 Contests

By MAURICE F. DELANO

FROM its inception nearly thirty years ago, the Pratt Experimental Farm at Morton, Pennsylvania, has always been noted as an honest-to-goodness proving ground for poultry feeds. No change in a Pratt formula has ever been made that has not first been tested and proved on their own birds on the farm. The birds are kept and fed under average farm conditions in order to find the feeds that will give the best results under average housing and care.

Only highest class poultry has been kept on the farm for experimental use. For many years, the fancier spirit of Mr. J. S. Keller, the president of Pratt Food Company, found expression in the fine show birds that won at the national shows. Lately, they have trapnested and pedigree-bred for egg production. Mr. J. W. Keller, the vice president of the company, has been particularly keen in watching the development of these fine flocks and is getting very much the same kick out of the numerous fine official egg records the birds make that his father formerly enjoyed from the exhibition winnings.

The story of the Barred Plymouth Rocks the past year is most impressive. I know the

averages made for the number of contests have never been approached by any other breeder. Am giving you a brief resume of the year's contests and you can judge for yourself.

At Alabama, a Pratt Rock pen won high heavy pen, also high Barred Rock and high heavy individual. This hen laid 294 eggs, scoring 315.95 points, making her the highest individual for the year in all Standard contests of the United States and Canada.

In Florida, Pratt Barred Rocks were high Barred Rock and high heavy pen. The high bird laying 280 eggs or a score of 286.30 points, making her high Rock and high heavy individual and sixth individual for the entire contest.

In Michigan, Pratt had the leading Barred Rock pen and won by a margin of over 100 eggs in points.

In Hunterdon County, New Jersey, Pratt had high Barred Rock and heavy pen, and high Barred Rock individual. This hen was also high individual for the entire contest with 310 to her credit. This pen made a new Hunterdon County record for Barred Rocks. Bettering the old mark by nearly 600 eggs.

At Farmingdale, New York, Pratt had

high Barred Rock pen, leading by more than 600 eggs and nearly as many points.

At College Station, Texas, the Pratt pen won second Barred Rock pen, and eleven birds finished with an average of 234 eggs per bird. They also won high Barred Rock individual.

At the Southwest Contest held in San Antonio, Texas, they won high Barred Rock, high heavy pen, and the fine average of 242.30 eggs per bird. One hen was fifth high individual in number of eggs with 310, and the No. 2 bird laid 292 eggs, scoring 305.20 points. This was the second consecutive year a Pratt pen was high here. Last year the leading hen laid 319 eggs.

At Stephens, Texas, they won high Rock pen and high heavy pen, leading the Rock class by a margin of 400 eggs and points. Again, the second time, a Pratt pen has won this award. Last year the leading hen laid 313 eggs and was first heavy hen to trap more than 300 eggs at this contest.

Pens at the Missouri contest will probably have high individual and pen records. Last year they also won both these records. The Storrs pen will probably be third and

(Please turn to page 30)

Hall Sold More Chicks This Year Than Last

By M. F. DELANO

ON THE crest and surrounding slopes of a very beautiful hilltop are spread the 100 acres of orchard, alfalfa, wheat, cabbage, pasture and range that comprise the wonderfully-located home farm of Hall Brothers, Wallingford, Connecticut. The office building is near the crest of the hill and from here the rolling farms, and wooded, far-away hills of this great Connecticut country are visible for miles around. Not far away is the big hillside barn with its basement, converted into an ideal battery room, one of the long breeding houses and a long brooder house, and comfortable buildings occupied by the men. Still farther away is this year's range for the 12,000 youngsters that are annually raised on the home farm. In front of me was a ten- or twelve-acre field of alfalfa. Already cut three times this year, the fourth crop was nearly 24 inches high. Beyond

was grown cabbage and other green food for the poultry. Between me and the main road lay a splendid piece of grass, the farther edge outlined along the highway by a well-trimmed hedge.

A. B. Hall took me in his car and we drove down by his lovely home on another hill-top, past the home of Father Hall across the road, and we saw L. C. Hall's big comfortable home. All three surrounded by large trees that gave ample shade, and which add so much to the attractiveness of any home. We went down the road and

swung into a driveway which led to a big feed house and other long breeding houses. Looked around for a while and turned back up the road and into the large modern incubator cellar with its equipment of 400,000-capacity Mammoth incubators. We saw the large barn where are housed the fine herd of fifteen Guernsey cows. We returned to the office and Al Hall had to leave me to keep an important appointment in the neighboring city.

During our time together I had asked questions and made notes. I had plenty to

think about, and took advantage of my invitation to go anywhere I pleased and study the details at my leisure. Here was one of the largest, most successful, and most smoothly-run poultry operations that had ever been developed. It had taken managerial ability of the highest class, a keen understanding of



Laying house at Munja Gardens, Bangor, Michigan. Equipped with Cel-O-Glass.

(Turn to page 25)

NEWS of the Poultry World

Baby Chick Convention to Wisconsin
Announcement has been made that the 1932 convention of the International Baby Chick Association will be held in the Milwaukee, Wisconsin, Auditorium the first week in August. Sessions will begin at one o'clock, Monday, August 1, and close Friday, August 5.

Nebraska State Poultry Show
The Nebraska Poultry Show will be held at Lincoln, Nebr., January 4 to 8 inclusive. It will be held at the Agricultural Grounds of the University of Nebraska, at a time when all branches of organized agriculture will meet there. Further details and premium list may be had from the secretary, Harry Knudson, Box 433, Omaha, Nebraska.

National Poultry Council Meeting
The annual meeting of the National Poultry Council will be held at the Stevens Hotel in Chicago, December 2-4, 1931. This will be during the week of the Chicago Coliseum Poultry Show.

License Granted to Manufacture Antigen
On October 21, 1931, a permit was granted to Dr. J. E. Salsbury, of Charles City, Iowa, to manufacture the approved Antigen, under patent No. 1816026, which has been assigned to the Secretary of Agriculture for administration.

Antigen, as many of our readers will know, is a method of testing for B.W.D. in poultry.

Boston Show News
When I was at the St. Louis National Dairy Show, I had a visit with Richard Harwood, president of the Boston Show. He was there judging cattle and poultry. The news he gave me was that the Boston Show has reduced its entry fees to \$2.00, and that it will run through Sunday this year for the first time. That gives Boston, both New Year's Day and a Sunday. The dates are Wednesday, December 30, to and including Sunday, January 3. The Boston Show should be bigger and better, and have a larger attendance this year.—Ernst.

Capital City Poultry Show
The Capital City Poultry and Egg Show, which is the state show of Louisiana, will hold their annual show December 16 to 20, 1931, at Baton Rouge. They held an extremely fine show last year, and are sure to have a dandy show again this year. Two national judges will be picked to handle the awards. Mrs. W. E. Hanks, Baton Rouge, is secretary, and Clyde Ingram is superintendent.

Septogas, the new product advertised by The Concentrate Products Company, has proven tremendously successful for thousands of poultry owners throughout the country in the handling of respiratory diseases.

Report of Research
The Chic-Tone Company, Inc., of Angola, Indiana, will be pleased to mail copy of report of research regarding the treatment of various respiratory diseases conducted by Dr. Herbert W. Emerson, bacteriologist at the University of Michigan, free upon request.

R.O.P. Rocks at Rupf Poultry Farms

Out at Ottawa, Kans., is the Rupf Poultry Farms. These farms are making great headway with their R.O.P. White Plymouth Rocks. They have one White Rock hen that laid 300 eggs in her pullet year—banded in Record of Performance work.

They are offering a number of birds that are from R.O.P. birds of 200 eggs or better. The Rupf Poultry Farms have been in this poultry work for a number of years. They are members of A.P.A., Kansas, R.O.P. and I.B.C.A.—O. R. Ernst.

Visits to Rock Breeders

By MAURICE F. DELANO

For more than sixty years, the South Shore District of Massachusetts, has been noted for the extremely high quality of its poultry products. Perhaps the most noted of these were its capons and roasting chickens. During all these years the Plymouth Rock has been greatly prized for its market qualities and the White Plymouth Rock has ruled favorite with a very large number of growers. This territory, lying south and east of Bos-

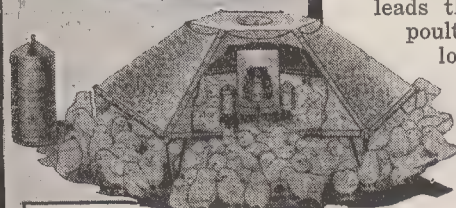
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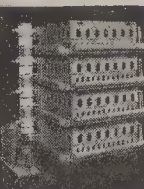
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DRUM TYPE, OIL BURNING brooder—greatest, most efficient, simplest to operate. Saves chicks. Lowered price.

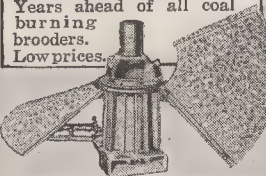


Battery Brooders—Electric, Hot Water or Warm Air heating. Use electricity, coal or oil for fuel.

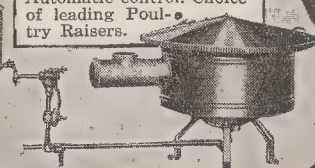
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Drum type—big capacity. Automatic control. Choice of leading Poultry Raisers.



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ton, is rather large and embraces several townships and all of Plymouth County. As you approach from Boston you will reach South Weymouth, the next town beyond Quincy. In South Weymouth lives E. A. Hirt, a very keen and interesting White Rock breeder whose flock is one of the largest and best not only in this noted district, but, in the entire country. For many years Mr. Hirt has trap-nested and improved his birds. He keeps 400 tested and proved hens, 2 to 4 years of age, and 600 early hatch mature pullets, in his well-arranged houses out back of his house and barn. The very choicest of his record hens are mated with highly bred pedigreed males, and the cockerels to head all matings come from these birds.

We went across the road and found 1,500 beautiful pullets on the large heavily sodded range. It was the 25th of July, yet the earlier Hirt pullets were already laying and nests had been provided at the rear of the shelters. Five hundred of these pullets were pedigreed and the rest all came from pedigree sires. The choice selected cockerels were ranging on the main plant out beyond the breeding houses. These fine business White Rocks have made enviable records. In 51 weeks at the Storr's Egg Contest in 1926-27 the 10 Hirt pullets laid 2,420 eggs and established a world's record. Five of these pullets laid from 253 to 277 eggs. The high record pullet weighed 8 lbs. at the finish and her eggs were the largest of any high record female in the contest. The following years splendid records were made and the past year the pens were leading all competition in July. I have not the final figures as I write this.

Careful attention to every detail, state testing and freedom from B.W.D., and a perfectly healthy flock in other ways have all contributed to the success of Mr. Hirt and his many customers all over the country. Mr. Hirt loves his birds and knows them. He is holding them very close to the Standard in quality. This fine husky combination bird is winning friends and customers wherever they go. A visit to South Weymouth will bring you a lot of pleasure and E. A. Hirt will make you welcome.

At the Bob-White Farm clambake in August, Walter Bishop told me his birds had come on finely this year, so I was prepared to see genuine improvements in the young Barred Plymouth Rocks when I went to Guilford, Conn., the latter part of September. I found not only better birds, but more of them than the year before. I found nine new houses being erected each with two pens. This would increase the number of single pen matings this year to 61, and 900 selected individually pedigreed females would be mated with individually pedigreed males whose dams averaged to lay 260 large size eggs. Among these females are 150 selected hens with official R.O.P. records of 200 to over 300 large size eggs.

Walter had built another novel feature since my last visit. A complete new brooding plant of 40 units. Each little house was 3x6 feet and was fitted with an electric brooder. The wire bottom run-ways are 4x8 feet for each unit. Fifty chicks are started in each house, and the cockerels removed at 8 weeks of age to go on range. The pullets remain until they are 12 weeks old and then they, too, go on range. Each pen has an automatic watering device. Mr. Bishop reports perfect results, and that feeding required one and a quarter hours daily, and green food three-quarters hour daily for the entire block of 40 houses.

This year something over 2,000 chicks were wing-banded and raised. Over 700 were from official contest hens with records of 240 or more large eggs. The mortality was less than 3% from all hatches, early and late. For the fifth successive time his flock was 100% free from B.W.D. This year 600 pullets will be in R.O.P.

Already, on this September date, 450 cockerels had been sold and shipped. Walter showed me a fine, husky, finished bird with a high pedigree that had been sold for \$75.00. His new owner was driving down for him in a day or two. An interesting shipment of 12 birds to Germany was made this year.

The Bishop Barred Rocks were developed from the dark or cockerel mating. The color is very attractive. Now that Walter has production and health problems well in hand, he is paying more attention to color. He dug out and showed me a pet cockerel with straight clean barring and nearly as narrow as the very best of exhibition cockerels could boast. Constant improvement is the program here, and Walter Bishop is looking forward to the day when his birds will not only win in egg contests, but in the exhibition showroom as well.

Dover, Mass., is only a few miles away from my present home in Dedham, consequently I am a near neighbor of Harold F. Barber. I am not sure just how long ago Harold had his first White Plymouth Rocks, but I do know that no breed has ever had

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Hatch your own — Save money



Save 5 to 7 cents per chick. Holds two cases of hen eggs—average hatch of from 400 to 500 chicks per setting.

Thermostat control—holds temperature to less than half a degree variation. 28 inches wide, 30 inches deep, 44 inches high. Shipping weight 350 lbs.

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Removable baskets, separate regulation for each deck, complete with hover pilot light. Each deck holds 125 chicks, for storage. 72 inches feeding space.

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Capacity 1,000 chicks. A most economical brooder. Each deck is a complete brooding unit, with its own automatic thermostat,



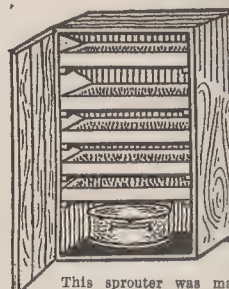
thermometer and pilot light. Any deck shut off or heat reduced as required for different ages at one time. Central air shaft separated from floors and pans insures fresh air plenty.

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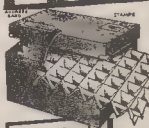
You can make a better sprouter than you can buy. This sprouter was made in one evening by a 14-year-old boy with a saw and hammer. The cost, with heater, was \$2.49. Thousands in use. All say it is the best and handiest made.

Make Layers Out of Loafers

To make hens lay their best, in winter, growing green feed, rich in vitamins, must be fed. Sprouted oats are best. The Putnam Home Made Sprouter yields the best and sweetest sprouts and with the least work. I will send, free, plans for making this Sprouter with description of Little Putnam Stove to heat it. Also instructions for use of stove to keep fowls' drinking water unfrozen. Stove holds three pints of oil. Burns a month without trimming or filling. Patented burner. Nothing like it. Send me \$2.00 and your dealer's name and I will send you this wonderful stove by parcel post prepaid to your door. If not satisfied, return it in 10 days and I'll refund money.

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Prevent breakage, cut shipping costs with EGGPAK Carrier. Stronger, lighter; made of indestructible fiber. Every egg held safely in patented "SURETY CUSHION" fillers. Stand on EGGPAK, kick it around and you won't find even a broken shell. Saves several cents postage on every mailing and does away with breakage claims. Endorsed by Agricultural Colleges.

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a more ardent devotee. His flock was very high in Standard quality, and in 1919 trap-netting was commenced at "Valecroft." From that time on the aim has been to improve production and retain Standard quality in each individual bird. That Mr. Barber has been a very successful breeder, the official records made at Storr's Egg Contest amply prove. Starting with 1921, pens have been entered each year. A pullet laid 252 eggs. In 1924 one pullet laid 281 eggs, and the pen made a new world's record for the breed. A year ago the high female laid 276 eggs. All these records were made by birds with good Standard quality.

"Valecroft" is the home in the country of Harold Barber. From here he commutes each day to his business in Boston. His comfortable home and the garage nestle amid the surrounding trees near the roadside. Down on a lower level are several acres of cultivated land and grass, and there are the poultry houses and ranges for the young birds. A large number of birds have never been raised or kept on "Valecroft," but the owner takes the keenest pleasure with his poultry. His idea is to have a limited number of the very best. He naturally has extra pedigreed chicks, eggs and cockerels to sell each year. He makes, however, no effort to raise the larger number that his increasing demand would readily absorb. From time to time, you have read well written articles from his pen. They have been helpful and inspiring. A real fancier who believes in and has adopted modern breeding methods. I only wish that other able business men, like Harold Barber, would devote more of their time to breeding good poultry.

Oscar Holtzapple at Elida, Ohio, has bred White Plymouth Rocks for many years. He has been breeding and hatching other varieties, but gradually has increased his White Rock flocks to the point where he hatched and sold last spring, 76,000 chicks in this variety alone. For many years he culled all his flocks very hard, and worked for quality



White Rock hen. Record 301 eggs, laid at Storrs Contest, 1930-31. Bred and owned by Holtzapple Poultry Farm, Elida, Ohio.

and good production. Eight years ago he commenced to trap-net, and since 1925 has used pedigreed cockerels to head his flocks. For this coming season he will have close to 2,500 selected females that will be mated with pedigreed males. His "Double A" grade chicks will all come from these selected matings.

On the home farm 250 choice pullets are being officially trapped in E.O.P. Last year, pens were entered in four official egg contests, and the results showed the high quality in the flock. Holtzapple pens won first White Rock at the contest in Georgia; first White Rock at Farmingdale, N. Y.; second White Rock pen at Michigan; and fourth on points at Storr's. The leading female in the Storr's contest pen laid 301 eggs.

To show the high Standard quality in his flock, Mr. Holtzapple showed some of his birds at the Ohio State Fair last September. He won first old pen in a class of six old pens, and second and third young pens in a class of six young pens. The combination of winning egg contests and in the exhibition classes in the showroom proved he has all around high quality in his flock.

Mr. Holtzapple loves his White Rocks, and it will not surprise me to see him devote all of his time to this one variety. He has ample room to properly raise and care for an even larger number. His birds are all blood tested for B.W.D., and every precaution is taken to (Please turn to page 23)

Suppose Conkeys offered you 125^{lbs} FOR THE PRICE OF 100^{lbs} of this famous feed!

**Vitalize
all your feeds**



**New
Low
Prices**

(Enough for 30 day test)

Eastern Prices

For 15 hens or 35 chicks	1 lb. package.....\$0.50
For 25 hens or 70 chicks	2 lb. package.....0.90
For 50 hens or 170 chicks	5 lb. package.....1.60
For 300 hens or 835 chicks	25 lb. drum.....6.50
For 500 hens or 1670 chicks	50 lb. drum.....11.50
For 1000 hens or 3340 chicks	100 lb. drum.....19.50

Prices slightly higher West of
the Rockies

Eggs and broilers,
vitalized with Conkeys
Y.O. often bring higher
than market prices.

THE eggs the feed will produce, not the number of pounds, that's what counts.

With Conkeys, your hens will lay at least 25% more eggs. In fact, H. E. Ohls, prop. Ohls Poultry Yard and Hatchery, Marion, Ohio, found that within 30 days after changing from what he thought was a good mash, his flock produced 60% more eggs.

Conkeys Gecco EGG MASH

Vi-tal-ized with Y-O

Conkey challenges you to try Conkeys Gecco Egg Mash, with Y-O. It is scientifically prepared and vitalized with Y-O—which contains brewers' yeast and cod liver oil, combined in the most potent and lasting form. This mash is also obtainable without Y-O.



Attention home mixers and farmers! If you prefer to mix your own ration, get Conkeys 32% Supplement Poultry Mash—a rich concentrate with Y-O. You'll avoid poor balance and uncertainty of analysis. You'll get extra profit on your grains through increased egg production. If not at your dealer's, write us. (462)

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- ☐ Conkeys Supplement Poultry Mash
- ☐ Conkeys Y-O
- ☐ Conkeys Free Poultry Book

Name.....

Town.....State.....



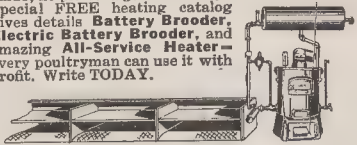
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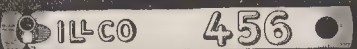
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Winning at Springfield, Ill., State Fair, 1931: 1-2 Cock, 1-3-4 Hen, 1-2-3 Cockerel, 1-2-3 Pullet, 1 Old Pen, 1-2 Young Pen. At Indianapolis, Ind.: 1-2 Cock, 1-3 Hen, 1-2 Cockerel, 1-2 Pullet, 1 Old and 1 Young Pen.

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rank with the best again. At Mt. Grove 1930-31 they were 6th heavy pen; 2nd White Rock pen; 1st White Rock hen and 3rd high hen entire contest, record 283 eggs. Place your order for chicks and eggs now. 15% discount during December.

MRS. ETHEL M. BRAZELTON
Echo Glen Farm Troy, Kansas

An Enjoyable Clambake at Bob-White Farm

By MAURICE F. DELANO

Friday, August 21, the Plymouth Rock breeders of the East and other guests accepted the invitation of W. R. Newsome, the genial owner of Bob-White Farm, to attend a clambake given in honor of the superintendent, Edward Price.

The day was perfect and many had to make an early start to reach Wilton, Conn., from their distant homes.

Mr. Newsome is an ideal host, and made everyone feel at home before the bake was ready. No expense was spared in the preparation of a wonderful feast. An experienced man had come from Rhode Island with his assistants. He brought with him fresh clams, fish and live lobsters. Those of you who have never partaken of a real New England clambake have something to look forward to. The sweet potatoes, sweet corn, and other vegetables are given an unusual flavor when steam cooked in a bed of sea-weed that is placed over the red hot rocks. More sea-weed is spread over the entire bake, and the food is delicious.

Nearly fifty guests did their best to consume the food that would easily have fed as many more. Tables had been built in a grove that made a grand setting for the bake. When everyone had eaten well beyond his capacity, Mr. Newsome proved his ability as toastmaster and very aptly introduced each speaker. Very lucky was the man who failed to receive a gentle thrust in some weak part of his armor that perhaps he had never known of before.

The first speaker was Paul Ever, the able director for New England, of the American Poultry Association. He gave us a brief synopsis of the work done at the annual convention held at Bay City, Mich. Paul and Prof. Kirkpatrick drove to Bay City and from there drove to the convention of the instructors and investigators. He gave a brief report of their work.

Other speakers followed who were witty or serious as their mood demanded. Nearly every phase of the industry was discussed by the various speakers. Many of the talks were well worth presenting in printed form. I regretted that a stenographer was not present.

The question of a capital prize for competition at Storrs Egg Contest for Barred Plymouth Rocks was taken up, and Prof. Warner was made happy when the cash donation to this fund passed the \$100.00 mark. I understand the fund for this variety later reached \$175.00.

All cheered when Mr. Newsome announced that this would be an annual affair and he hoped that an even larger number would be present in 1932.

The crowd then spread all over the large acreage of "Bob-White" to see and admire the Ringlet Barred Rocks. Many came early enough to see them before the bake. I noticed, however, that they were glad to see them all over again. The matings were superb. Very few hens had started to molt which was a good indication that there were many fine layers among them. The young birds are a most promising lot. Scattered all over the fine green range were more than 1,500 strong, sturdy cockerels and pullets with clean, narrow barring and perfection type. If "Bob-White" shows this coming winter, the other fellows will know they have been in a battle.

Late last winter fire broke out in the New-

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Friends of Mr. Newsome, owner of Bob-White Farm, Wilton, Connecticut, who attended Mr. Newsome's annual clambake.

some house. Happening early in the morning when all were asleep, it was beyond control when discovered. It was a great mercy that all were saved. Priceless family treasures and paintings were destroyed. Mrs. Newsome's mother had returned to the home to try and save personal effects, and was saved only by the heroic action of Ed Price, who rushed into the fiercely burning building and brought her out safely.

A beautiful new home was being erected on the site of the old. Mr. Newsome stated that his loss, over and above insurance, was about \$60,000. In addition to the dwelling, the brooder houses with the earlier chicks and the incubator cellar with machines full of eggs were also destroyed. Despite this heavy blow, the Newsomes, father and son, and Ed Price, their superintendent, are very optimistic about the 1931-32 outlook, and the future of "Bob-White." The immediate plans include trapping their best birds. The Ringlets made the finest show record of all time. Individual Ringlet females have made exceptional egg records for customers. By breeding from their star individuals that are also fine layers, the average egg yield of the beautifully barred Ringlets will soon be increased to the point where they also will be a production flock.

All success to the Newsomes and to Ed Price. I hope to attend the 1932 bake, when the earlier hatches will be present, and expect to find wonderful quality and even larger quantity.

The Poultry Outlook

By

H. V. TORMOHLEN

Nineteen thirty-two is going to be a chicken year—there is no mistake about that!

The low price of feed stuffs and the splendid tone of the egg market during the fall months have stimulated more than usual interest in poultry. Market poultry has brought a comparatively good price all fall, too, compared to feed cost and compared to other food products.

The bright spot in the agricultural picture during the fall months has been the cream and poultry and egg market. Both reached the low state of the market quickly and are as quickly recovering. True, old time high prices cannot be expected but just as much money can be made as formerly when the feed costs are taken into consideration.

Fat hens have been topping the market for several weeks indicating that they are not in the country and the hens that are left on the farms are being kept for breeding purposes.

Nothing is a better indication of the poultry situation out over the entire country than this top price that market hens are bringing, compared to other market poultry. In a very short time, however, the big run of young stock will be in and then the prices of all grades of market poultry will advance which will stimulate the raising of heavy poultry next year. This last season was a heavy fowl year and next year promises in the main to be a Leghorn year, so to speak, because of the demand for eggs, but we are not so sure that the Leghorn rush will develop to the proportions that some think it will and after it is all over we expect 1932 will go down as a year when heavy breeds will about divide honors with the light breeds in popular demand. This will be a better condition than if the demand were all one sided. But the outlook is so good now that we fear the poultry business may be overdone this coming year much as the hog market is being overdone at the present time.

We do not want to be accused of being a "kill-joy" to the poultry industry at this time when we all need all the joy and pleasantness out of life that we can get, but a note of warning should not be a "kill-joy."

Nineteen thirty-two will be a buyers' market for baby chicks and poultry raisers are going to rush into the buying of baby chicks early and with enthusiasm because of the prospect of making some money on a quick turn-over. Last season folks did not start their broods of chicks as early as usual and then with little enthusiasm—which resulted in about a 15 per cent decrease in the young poultry raised this year. In the end this has been a boon to the industry, but as suggested above there is possibility of over-doing the thing this coming year and real poultrymen will keep their ears to the ground and not plan any big expansion programs with their poultry—instead they will plan to make hay when the sun shines early in 1932 by means of the big demand there will be for breeding stock, eggs and baby chicks.

GLASS

Ordinary glass bars out ultra-violet sun-rays—less eggs!

Hens behind glass windows get no ultra-violet sun-rays. They lay fewer eggs, thin-shelled eggs. Glass windows give you cold houses. They become broken.

CLOTH

Cloth windows short life—cold houses—less eggs!

Hens behind cloth windows get some of the ultra-violet sun-rays. But cloth gets soiled and torn—catches filth and dust. It shrinks and pulls loose.

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Cel-O-Glass long life—warmer houses—more eggs!

Hens behind genuine CEL-O-GLASS windows give you the most eggs, stronger-shelled eggs—more ultra-violet sun-rays. CEL-O-GLASS can't break like glass—can't tear like cloth. Gives you warmer houses.

More ultra-violet sun-rays ... more eggs— at lowest cost with CEL-O-GLASS!

Get full benefit from the free, egg-producing food supplied by Nature—the ultra-violet rays of the sun! Don't throw it away. Insist on *genuine* CEL-O-GLASS.

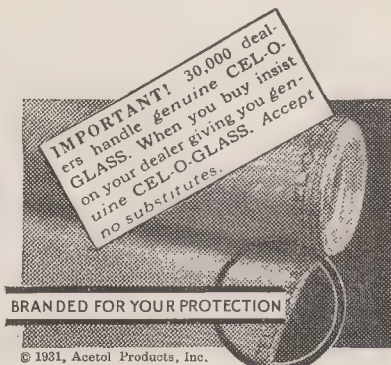
33 Agricultural Experiment Stations and thousands of farmers have conclusively proved that *genuine* CEL-O-GLASS increases egg production from 15% to 50%. From 1921 to 1925 at the Vineland Egg-laying Contest, when no CEL-O-GLASS was used, the layers averaged 43.5 eggs each from November to April. From 1925 to 1929, when CEL-O-GLASS was used, layers' average was increased to 77.6 eggs for these same months!

Tests at the New Jersey Experiment Station show that CEL-O-GLASS also gives you warmer houses than other window materials. When it was 1° above zero outside it was only 10° above in a glass house, while a house with CEL-O-GLASS windows showed a temperature of 39° above.

CEL-O-GLASS promotes health and growth in brooder houses, dairy barns, and hog houses. Good for back porches and cold frames. Also practical for storm-doors and windows. You can buy CEL-O-GLASS at hardware, lumber, seed and feed stores. If your local dealer cannot supply you, please write to Acetol Products, Inc., Dept. L-121, 21 Spruce Street, New York City.

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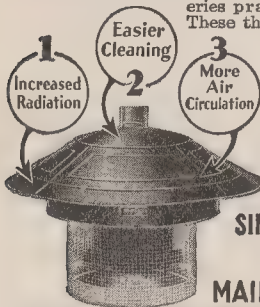
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Minnesota State Meet Changed

State Secretary H. A. Petschow writes that the Worthington Show will not be held this year so the location of the Minnesota State Meet has been changed to Pipestone and the dates will be January 4-5-6-7. The show secretary's name and address is Mr. R. J. Knutson, 404 S. Orne Street, Pipestone, Minnesota. Clarence Terveer has been asked to judge this show so the Minnesota White Rock breeders can be sure that they have a judge who knows White Rocks. There is plenty of time for you breeders to get your strings in shape if you start in right now to make your selection of candidates. Secretary Petschow has been working very hard on this show and deserves the support of every Minnesota breeder. Incidentally there is no law to keep a few breeders from South Dakota from entering a few White Rocks in this show and comparing notes with the Minnesota crowd.

Collins & Ripper Break Individual White Rock Record

A White Rock hen owned by Collins & Ripper broke the record of 301 eggs by laying 312 eggs in 52 weeks at the Illinois contest just closed. By the way of more information, I notice that Collins & Ripper also had 22 pullets that laid over 200 eggs in four contests: Storrs, Illinois, Mountain Grove, and Oklahoma. They won high hen and high pen for all Standard contests and the same for all non-standard contests. Some record!

Polti Made Some Fine Records, Too

At the Storrs contest, I understand that Adam Polti had ten pullets with over 200 eggs. The records ran from 205 points to 279 points. Not only does Polti patronize the egg contests, but he takes his birds to the biggest shows in the country and always takes his share of the blue ribbons. Combined breeding is his hobby. In addition he is one of the most active members in the White Rock club.

Terveer for President

President Hayward makes the suggestion that Clarence Terveer, of St. Charles, Minnesota, should be considered for the next president of the club. Another suggestion is that L. O. Hinerman of Uniontown, Pa., be considered for the next national secretary. The national meet is only a little more than six weeks away and if you have any other suggestions, better get them in. Send them direct to me, and I will read your letter and suggestions at the club meet. In addition to president and secretary, nominations for vice president and directors will be considered at the national meet.

Letter from Mary Morgan Smith

The Southwest Division Meet will probably go to Phoenix, Arizona. I have already written to Mr. Taylor about it and I know that he has made some fine plans for the Arizona State Meet to be held there. I am sure we will have a very nice entry of White Rocks.

I should be very glad to write a White Rock article for P. R. M. some time this winter as you request. I have never written a feature article, but will do my best. I am glad you are urging more breeders to contribute and hope you will succeed in getting some from Harold Barber. He used to write some very helpful articles.

Maryland State Show

J. A. Burkhart writes: "Am sorry I neglected sending in my dues, but please find check enclosed for same. We are holding our show at Smithsburg, on December 29-30-31. Will you kindly send ribbons for the members showing. We have formed the Smithsburg Poultry Association and we are about to make this show the banner show of the state."

Maryland members should address Mr. Burkhart at Smithsburg, Md., for further information on the Maryland State Meet.

Incidentally, Mr. Burkhart writes that he will not be able to attend the national meet this year. Now that it has been changed to New York and the dates do not conflict with the Maryland State Meet, we hope Mr. Burkhart will change his mind. Better come to the Garden and have a big chatfest with all the White Rock breeders. It's an opportunity.

Uniontown Show Will Be Held

The bank crash in Uniontown caused some rapid exchange of correspondence which re-



is most economical

The best is always the cheapest in the end—and O K P L exemplifies this principle to the extreme. Thousands upon thousands of poultrymen say, "It's best by every test." But be sure you purchase O K P L. Look for the trade mark on the bale. Do not accept substitutes—we'll send it direct if your dealer does not carry the genuine.

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sulted in the National White Rock Meet for this winter being changed to Madison Square Garden in New York. L. O. Hinerman and the Uniontown Association were perfectly frank that the bank failure had tied up their funds and rather than jeopardize the national meet they suggested that the meet be transferred because of the late date. Now it appears that they will be able to get enough funds to put on a fine show at Uniontown and they are going right ahead with the plans. However, in the meantime the White Rock meet has been definitely scheduled for the Garden with no chance of bringing it back. I hope all the Pennsylvania members will go right ahead and support the Uniontown show and in full fairness the club should consider Uniontown as a location for the national meet within the next few years. I hope also that the Pennsylvania members will give us strong support at the Garden. We are going to have a nice bunch of prizes with plenty of encouragement for the first time exhibitor. We want you there in force.

White Rock Entries at Storrs Contest 1931-32

I suppose that many of you are waiting to learn the official list of breeders with pens entered in the new Storrs contest just opened. Here it is: Davidson Brothers, Collins & Ripper, Adam F. Pottl, Kalerok Farm, E. A. Hirt, E. H. Rucker, C. A. Christian, A. T. Lenzen, Tiro Co-op Breeding Farm & Hatchery, Helen Ranken, Oscar Holtzapfle, P. S. Davis, L. H. Harvey.

Winnings at the Maine State Meet

State Secretary E. M. Burnell of Intervale, Maine, writes: "Find enclosed the list of winnings at the Maine State Meet. There was an exceptionally fine class and competition was hot. I think this was the largest class of White Rocks ever shown here. There seems to be quite a bit of interest in White Rocks not only from other breeders, but also from newcomers. Mr. W. W. Childs, of Lewiston, Maine, and Mr. Frank E. King, of the same city, joined the club as new members. Mr. King is an old breeder of White Rocks and will appreciate this opportunity to boost them. Mr. Childs is showing for the second year and was very successful in winning the blues.

Cocks: E. M. Burnell, 1st; W. W. Childs, 2nd.

Hens: W. W. Childs, 1st; E. M. Burnell, 2nd.

Cockerels: W. W. Childs, 1st; Frank O. King, 2nd; Willard Berry, 3rd; E. M. Burnell, 4th and 5th.

Pullets: W. W. Childs, 1st; Frank O. King, 2nd; E. M. Burnell, 3rd and 4th; Willard Berry, 5th.

Young Pens: W. W. Childs, 1st; E. M. Burnell, 2nd and 3rd.

Old Pens: W. W. Childs, 1st; E. M. Burnell, 2nd.

New Members

We have quite a list of new members and renewals, which will be published next month. This reminds me that membership fees are now due and will be very acceptable as we have quite a few expenses for new ribbons for the 1932 shows, stationery and promotion work. I am afraid that there is not enough money in the treasury to meet them all. Please send your dues in at once as I do not like to mention this in the notes each month.

Donations for the National Meet in Order

Last year at Milwaukee the donated cash prizes were distributed so that the new exhibitors won a good share of them. This was very encouraging and received wide comment both at the show, and from members who did not attend. The same policy will be followed this year and full announcement will be made in the January issue. Any member who wishes to contribute can do so in any amount from \$1.00 up. I feel that this feature is one of the best ways of boosting White Rocks, and offers a fine opportunity to those who cannot afford to contribute time and work in the club interests. The list of donors will be published in the January and February issues of PLYMOUTH ROCK MONTHLY and the winners' names will be published in the February issue. I am making special arrangements with the editor to get a report of the show in the February issue, although we will probably have to telegraph the returns as the Monthly is just going to press as the Garden show opens. Send contributions direct to L. H. Harvey, Glen Ellyn, Illinois.

The Central Division Meet

By the time you read these notes the Central Division Meet will be in full swing at the Coliseum. Am planning on spending most of my time there during the week and look forward to meeting even a larger number of (Please turn to page 31)

Here's a case
where
two and two
meant
a lot of eggs



TWO HUNDRED HENS in each of two different lots for two whole years laid their best. The two hundred in one lot received Dr. Hess Poultry Pan-a-min in addition to their good ration. The two hundred in the other lot were deprived of Pan-a-min. Good heavy layers they were—all four hundred—far above the average and comparable in every way, even to being brooder mates. Yet there was a vast difference in production in these two years. The Pan-a-min hens in their first year (pullets) outlaid the others by 3515 eggs, and in the second year (now year-old hens) by 3626 eggs.

Moral: Here's another authentic record of where Pan-a-min alone is responsible for increased production—and this time from the same hens for two whole years. And

more than that, the range of difference is bigger the second year than in the first. This just shows how Pan-a-min keeps a hen's body in working order—how it supplies the minerals and conditioning properties to keep her from burning out under the stress of high production—how it hurries her through the moult and keeps production high during the "off" months when egg prices are best.

Often it proves profitable to keep layers more than one year. They lay bigger, more uniform eggs in the fall which bring a better price. But no matter whether you have pullets or aged hens, keep their production *above par* with Dr. Hess Poultry Pan-a-min. See your local Dr. Hess dealer. Either do that, or write direct to Dr. Hess & Clark, Inc., Ashland, Ohio.

Dr. Hess Poultry

PAN - A - MIN

KEEPS HENS IN LAYING TRIM

STOP EPIDEMICS of Colds, Bronchitis, Flu, Etc.

"Gasping for breath," one of the symptoms of dreaded bronchitis that kills quickly. Save your chicks, broilers and mature birds the "Chic-Tone Way."



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Dead birds pay no profit. Save your chicks, broilers and mature birds by using the original gas treatment which checks respiratory diseases quickly without irritation. The Chic-Tone Co.'s Inhalant kills the germs that cause colds, bronchitis, flu, etc. Proven successful by Parks, Pa.; Roberts, Pa.; Waelher, Wis.; Whittaker, Mich., and wherever used, and by scientific research conducted by Dr. Emerson, bacteriologist, University of Michigan, Ann Arbor. Send for free booklet, "How to Stop Epidemics."

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This Season Try Vaccination for Colds and Roup



theria, catarrh and canker.

AVIAN MIXED BACTERIN

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Give Avian Mixed Bacterin a trial this season and stop losses in egg production due to colds and roup. This reliable treatment has won its way on merits as the recognized treatment and preventive. Try it this season. Inexpensive and reliable.

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Free with a \$4.00 Bacterin order, we will give our special syringe. Only one to a customer. Or if you now have a syringe, you can take your choice of a \$1.00 box of 50 worm tablets or \$1.00 box of 100 B. W. D. Tablets.

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CLARENCE TERVEER
MAPLE ROW FARM ST. CHARLES, MINN.

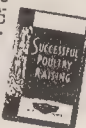


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By CLARENCE TERVEER,
St. Charles, Minn.

There is plenty of reason for the ever-increasing popularity of the Plymouth Rock breed of chickens. The main reason is that they have a size and shape that is best suited for the high-class trade of prime, fancy market poultry; and that this same size and shape is ideal for maximum egg production. The produce market in the Chicago Daily Drovers' Journal has been quoting Plymouth Rocks with special emphasis one cent higher than heavies all summer and fall. Often there is extra substantial premiums over the general market price for car lots for the eastern trade. When the commission men sort and send back the best Plymouth Rock cockerels to the country for breeding males, it must be that they realize the superiority of the Plymouth Rock breed of chickens for a market fowl. They find that they are harder, more vigorous and healthy, and run more uniform in size and shape than other varieties of the various breeds of poultry. If each Plymouth Rock breeder will urge those neighbors who aren't satisfied with their present variety to take up one of the Plymouth Rock varieties, the popularity of the breed will be increased two-fold. The size and shape is ideal and there is color to suit any taste, Barred, White, Buff, Partridge, Columbian, Silver-Penciled, and Blue.

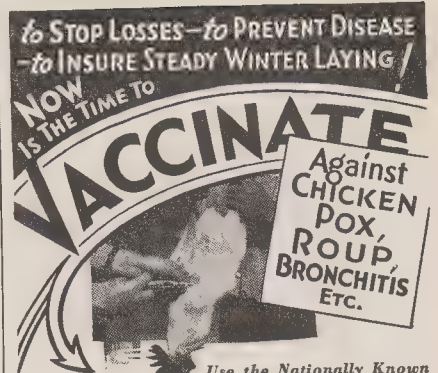
Size is important in a Plymouth Rock as it is true of all dual-purpose fowls. We must keep up the size, for the general tendency is for chickens to become smaller and smaller in this age of forcing early maturity and early laying. If chickens are under-fed and hatched late, and do not have a long enough growing period to complete their growth under normal conditions, the tendency is for them to become smaller than Standard size. The way to maintain or increase size is to select breeders of the correct size and hatch them during the natural hatching season before the weather gets too warm, and to feed them on just a good maintenance ration that is not too high in protein. Extreme size should, by all means, be avoided, but, taking the country over, under-size is a much more serious defect in the general run of Rocks than over-size.

Briefly, the purpose of ventilation is to keep the coops dry and the air pure and sweet-smelling. No doubt, there is a number of different methods that will give fairly good results under reasonably favorable conditions. Much will depend on your style of cooping as to which of the various systems you should adopt. It is not a difficult problem to get the fresh air into the coop, but the big task is to get the foul, damp air out without letting out too much warmth.

Any method to get the air in without creating a draft is about all that is necessary, and during extremely cold weather here in our northern climate enough fresh air usually gets in around the windows and through the doors to suffice. But to get the foul air out is an entirely different matter because fowls do not give off much heat and you must conserve warmth while taking out the foul air. Understand, it is much better for a fowl's health to have the coops somewhat cooler than desired, but dry, than warm and exceedingly damp. Some attempts are made to take off the foul, impure air from the top part of the coops through openings in the roof or openings in the upper front side of the coop, and still others by simply lowering the top sash of the windows. Each year I am getting more convinced that the straw loft type of cooping is best for our northern winter climate. For best results there should be two feet of settled straw in the loft.

Some put ventilators in the roof to carry off the surplus humidity and others put doors in each gable end above the straw loft and open these according to the wind and the severity of the weather to carry off the surplus moisture. One good breeder told me at the state fair this fall that it had been his experience that there should be flues running from the peak of the roof down through the straw to a foot or two from the floor, to use only when the loft straw became moist and solid from several weeks of sub-zero weather and would not carry off the foul air. He said the straw would soon dry under moderate winter weather and then these flues could be closed again. He believed in straw loft cooping, but used these flues only when sub-zero weather hung on steadily for several weeks.

There can be no set system of ventilation. You must open and close the windows or other



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ventilator openings according to the existing weather conditions out-of-doors in order to maintain an even temperature that is desired. You do not want coops at torrid temperature during the day and a zero temperature at night. About forty to fifty degrees is considered right.

Aim to keep your coops dry somehow. One of the ways to help do this is to keep your coops clean at all times. Clean out the litter every week or two, and several times a week, if necessary. If your coop is crowded or the floor low and lacks drainage because it is built into the ground, it will be necessary to clean it oftener than otherwise. Fowls are so much happier and more contented if their litter is dry and clean. There can be no hard and fast rule set for this, but clean it out and replace whenever necessary.

A correctly balanced ration is one of the essentials to securing a high winter egg yield. How you feed this ration is still another essential. To get maximum winter egg yields you must remove the chill from their drinking water and put their scratch grains in the house for twelve to twenty-four hours ahead to remove the chill that comes from being out in the cold granary bins. You can do this cheaper than the hens can. Watch the people around you who are getting winter eggs and you will notice that they are regular and punctual about doing all their poultry feeding chores. Do your poultry chores on routine and you won't forget or neglect them, and your poultry will do much better.

Hens should have some green food in the way of sprouted oats, cabbages or root crops daily. If you cannot provide them with it, by all means add five to eight per cent alfalfa leaf meal to their laying mash.

If you have not already secured your necessary breeding stock, December and January are the months to do this so they will be thoroughly acquainted with their new mates and surroundings well in advance of the breeding season. By ordering early you can get the big males cheaper as they are a nuisance to the breeder because they are continually bossing the less vigorous ones, and he is anxious to get rid of these scrappy fellows.

During the long winter evenings just ahead is the logical time to read up on poultry journals and other poultry literature to the fullest extent. Sift that which is best and most practical for individual needs and be prepared to make your poultry pay the greatest possible profits through the coming years. An inexpensive and very worthwhile Christmas gift to your poultry-keeping friends is a subscription for the **PLYMOUTH ROCK MONTHLY**. It is a useful gift that can be used every month of the year and will make your friends work more pleasant and profitable. Merry Christmas and God bless you all.

WISCONSIN STATE FAIR AWARDS, 1931

Light Barred Plymouth Rocks—Art Quade: 1 cock, 2 cockerel. Harold Hulbert: 2-4 cock, 1 hen, 1-3-5 cockerel, 1-2-5 pullet, 1 young pen, 2 old pen. Carl Zierke: 3 cock. F. B. Tindall: 5 cock, 2-3-4 hen, 1 old pen. C. G. Wolf: 4 cockerel, 3-4-6 pullet.

Dark Barred Plymouth Rocks—Carl Hahn: 1-4 cock, 1-3 hen, 1 cockerel, 2-3 pullet, 1-2 young pen, 1 old pen. J. H. Fisher: 2 cock, 2-6 hen, 5 cockerel, 5 pullet. T. J. Schultz: 3 cock, 4-7 hen, 3-4 cockerel, 1-4 pullet, 2 old pen. Charles Wolf: 5 cock, 5 hen, 6-7 cockerel, 6-7 pullet. C. J. Sierke: 2 cockerel, 3 young pen.

White Plymouth Rocks—Adam Polt: 1-2-3-4-5 cock, 1-2-3-4-5 hen, 1-2-3-4-5 cockerel, 1-2-3-4-5 pullet, 1-2-3 young pen, 1-2-3 old pen. E. J. Schowalter: 6 cock, 6 hen. George Kunz: 7 cock, 7 hen.

Buff Plymouth Rocks—Geo. K. McDonald: 1 cock, 2 hen, 1-2 cockerel, 1-2-3 pullet. Art Quade: 2 cock, 1-3 hen, 4 pullet, 1-2 young pen.

Silver Penciled Plymouth Rocks—John Scharhag: 1 cock, 1-3-4-5 hen, 1-2-3 cockerel, 1-2-3-4 pullet. Art Quade: 2 cock, 2 hen.

Partridge Plymouth Rocks—Kempsey Turkey Yard: 1 cock, 1 cockerel. Art Quade: 2 cock, 3 hen. A. M. Stodel: 1-2 hen. John Scharhag: 4-5 hen, 2-3-4-5 cockerel, 1-2-3-4-5 pullet, 1-2-3 young pen, 1 old pen.

Columbian Plymouth Rocks—Art Quade: 1 cock, 1-3 hen, 2-3 cockerel, 1 pullet. I. G. Welkos: 2 cock, 2 hen, 1 cockerel, 2 pullet.

Infection among birds may take place through actual contact with birds in various stages of disease; through contact with carriers of disease; through infected drinking water and food containers; and through infected soil and premises. If there are any signs of infection in your flock take immediate steps to protect the unaffected birds, also keep them away from all infection sources.

How Many will HATCH

THAT'S the question in the mind of every poultryman when he puts eggs in the incubator. A mighty important question too, since the egg which does not hatch is a dead loss and the percentage hatchability is one of the chief factors in determining chick cost.

One factor which is definitely known to improve hatchability is Vitamin D. Unless the breeding flock receives enough of this vitamin prior to and during the breeding season, poor hatches will result.

Make sure your feed dealer supplies you with a breeding mash which contains Nopco XX and thus eliminate any chance of poor hatchability from lack of Vitamin D. Nopco XX is reinforced with a Vitamin D concentrate from Cod Liver Oil and is of a standard potency not found in straight unfortified cod liver or fish oils. When fed as recommended, Nopco XX provides adequate Vitamin D *with a margin of safety* at a cost of only a few cents per sack of mash. For further information write to the address below.

Nopco XX in an otherwise well-balanced mash will aid egg production, make stronger shells, improve flock health and disease resistance, and give better hatchability from the breeding flock.



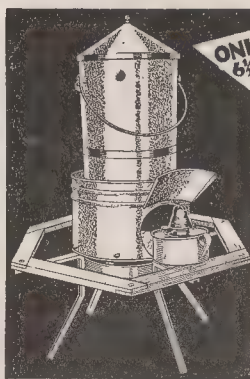
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If you wish fountain fitted with 5-year Guarantee Electric Chromalox Heating Element with 6 ft. cord and connection, in place of oil lamp, add 75c to above prices. State whether oil or electric. TERMS: Cash with order.

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Fowls feed on both sides, cannot perch on top. Heavy angle iron, galvanized steel construction. Sanitary and waste proof. Hinged wire guard top folds back to clean, re-fill. Saves feed.

Accommodates 100 to 200 Hen Flock:
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Win at Madison Square Garden, N.Y., 1931: 1-3 cock, 1-5 cockerel, 2 pullet; 1930: 1-3-4 cockerel, 1-4-5 cock, 2 pullet; 1929: 1 cockerel, 1 pullet, 1-3-4-5 cock, 4 hen. Cocks, hens, cockerels and pullets for sale reasonably.
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Also free samples of "Lime Crest" Products. My
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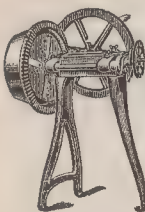
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- For Beautiful Abundant Feathering

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December Reminders

In the Northern states it is a good plan to provide an extra covering of mulch for vegetables stored out of doors. Additional mulch may also be added around the base of shrubs, perennial beds and young ornamental trees. The extra mulch prevents the alternate thawing and freezing which does so much damage.

Fruit and vegetables stored indoors in cellars should be picked over to remove the rotted ones. With careful sorting and handling such products can be held until late winter.

Young fruit trees should be examined to see what damage rabbits, mice and rodents are doing to the bark. If injury is found, protection should be provided by wrapping the trunk of the tree with a fine mesh wire screen, set out far enough so that such pests cannot get to the bark. Some growers use a heavy tar impregnated paper.

Fruit trees may now be examined to determine the extent of scale insect-infestation so that proper spraying can be planned during the dormant period.

Check over the sprayer and see that it is in repair, oiled, and in good condition for the winter spraying work.

Where conditions permit, weeds and grasses along fences and ditch banks should be burned. This will assist in removing the hibernation places of insects, especially those that come out in early spring, as well as kill a great many. It is better to do it now rather than later.

Hard and Soft Wood Cuttings

Hardwood.—Early winter is a good time to make cuttings from your favorite variety of grapes, currants, gooseberries, or from many shrubs for next year's planting. Simple cuttings, having 3 to 4 buds and about 8 to 10 inches long, can be made from the past season's new ripe wood. After the cuttings are made they may be wrapped in bundles and stored in moist sand in the basement or cellar until next spring. Keep the sand moist until planting time. The cut surface will become calloused or healed over and small rootlets will start on the calloused surfaces. Many hardwood cuttings will not grow unless well calloused. In early spring the cuttings can be heeled-in out of doors, setting each cutting about the width of a hoe blade apart to facilitate weeding. Be sure to firm the soil around the roots and know that there is plenty of moisture present. Willow and poplar trees are two of the most common trees propagated this way. Shrubs such as spirea, privet, syringa and many others can also be started with cuttings.

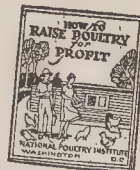
Soft wood.—There are two types of soft wood cuttings, those that are made from fleshy leaves, such as the begonia, and those that are made from a stem with one or more buds attached, such as the common geranium. Soft wood cuttings may be started any time indoors. The parts removed are simply placed in moist sand at room temperature, and allowed to form roots. The cutting has no way of taking up nourishment, so warmth and plenty of moisture must be kept in the sand. This can be done by placing the cuttings in a warm, sunny place and covering with paper to help hold the moisture. When roots are well formed, the plants may be reset in moist loam soil in pots or boxes. Many house plants can be started in this manner such as geraniums, begonias, coleus, carnations and many others. A healthy, well-grown plant makes a desirable gift any time of the year.

Seed Marketing Hints

If you have surplus seed, or amounts in excess of the needs for your own planting, it is a good time to clean, and handpick them for selling. Not many gardeners can improve seed stocks as well as the large seed houses with an established reputation for reliability, because such concerns maintain highly trained plant breeders who devote their entire time to such work. Therefore, in selling your surplus seed, be sure that you know what selection or breeding is back of it, and the germi-

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A newly revised edition of our famous book, "How to Raise Poultry for Profit" is ready and will be sent free, postpaid, to readers of this magazine upon request. It tells of the International Poultry work done by Harry M. Lamson, whose methods of increasing egg production, culling out non-layers, raising broilers to quick maturity, saving on feed, etc., etc., are doubling profits, raising salaries and bringing good jobs to men and women all over the country. Mr. Lamson's methods—and those of 16 other famous experts—are given in a clear, successful home-study course of instruction. The Free Book brings you a complete outline of this course.

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nation, purity, freedom from seed carried diseases, and weed seed in the stock. One should not attempt to sell his excess seed unless it is of high quality, and unless he is sure that it is not cross pollinated with other varieties. In tagging, place the germination and purity tests on the inside and outside tags. If possible, have the State Seed Laboratory run these tests for you. Market such seed in clean cotton bags. These can be purchased with your name printed on them, ready to mail in all sizes, at a very reasonable cost. If you are not sure of the quality, it is better to discard such seed and buy improved stocks from a reliable source such as the specialized growers or seed houses.—A. M. Binkley.



Annual Dues \$1.00.
Monthly Club Magazine and Guidebook
Free to Members.

JOSEPH L. HOELKER, President
Oldenburg, Ind.
DR. W. J. PIRIE, Vice President
Springville, Iowa
LAURENCE C. ALLEN, Sec'y-Treas.
Sanford, Maine

Club members who attend any of the 1931 club meets are requested to send in newsy reports of the meets; such as, who attended the shows; judges' remarks about the Partridge exhibits, etc.

December is the big Partridge Rock show month: National meet at Chicago Coliseum, December 1-6; New England Meet at Maine State Show, Portland, December 8-11; Central District Meet at Iowa State Show, Des Moines, Iowa, December 30, 1931-January 2, 1932.

New members not previously reported in the club columns:

Walter D. Briggs, East Greenwich, R. I.
Mrs. O. R. Dawson, Richland, Iowa.
Dr. Geo. E. Yallaly, Cape Girardeau, Mo.
D. M. Barcus, Tiffin, Ohio.
Fritz Needer, North Stoughton, Mass.
Mablon Walsh, Freeport, Me.
Thos. G. Kinvig, Medicine Hat, Alta., Can.
Mrs. Amy G. Forrester, Gardiner, Me.
Edward A. Letendre, Spencer, Mass.
William Crites, Cape Girardeau, Mo.
P. P. Black, West Liberty, Iowa.

It is with deep regret that I announce the death last August of Otis E. Berry, a member of our board of directors from Madison, Va. He had raised Partridge Rocks with delight and benefit for some fifteen years. His family have the heartfelt sympathy of the entire club.

Partridge Rock Guidebook will be in your hands before December. Extra copies, 25 cents each.—L. C. Allen, Sec.-Treas.

VISITS TO ROCK BREEDERS

(Continued from page 15)

insure perfect condition. Every Ohio poultryman I have talked with speaks in the very highest terms of Mr. Holtzapple and his birds. They have the utmost confidence in the work he is doing.

At St. Louis National

We have repeatedly talked of consistency in breeding. Consistency means: the breeding of the same high class, year after year. Such is the flock of Mr. and Mrs. Charles E. Popham, of Charleston, Ill. For years and years they have gone into the national shows of the country and always have got their share of the awards. At the recent St. Louis National they sent six birds. All of them placed. And that has been the story of this flock year after year. There is a high quality Barred Rock flock in both the light and the dark lines.

Vita-
mine "D"
is FREE

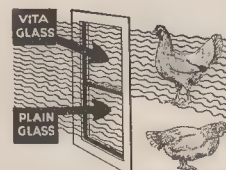
SENSATIONAL NEW GLASS

REAL GLASS—not a substitute

NOW Permanent

CLAY

Ultra Violet Transmission!



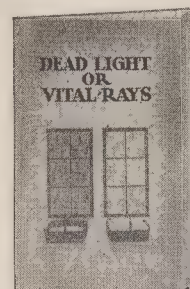
Ultra Violet Rays from the sun—cure Rickets—prevent leg weakness—destroy germs. Nature's own source of vitamine D.

Take Full Advantage of the Sun's Ultra Violet Rays. Common glass shuts out these vital rays—glass substitutes soon lose their power of Ultra Violet transmission. Only Clay Agricultural Vita-Glass—real glass—developed by years of scientific research—guarantees a continuous flow of Ultra Violet Rays into your poultry house. Save expensive medicinal substitutes—get more eggs—avoid chick losses by replacing your present windows with genuine Agricultural Vita-Glass.



AGRICULTURAL VITA-GLASS

All sizes. Can be installed in your present window sash. Strong—clear—does not wear out—bulge or rip. Used in roof windows as well as sidewall windows. Transmits from 5 to 20 times more Ultra Violet Rays than glass substitutes. Now priced within reach of every poultry raiser. Only a fraction of a penny per bird over ordinary glass.



THE TRUE FACTS ON ULTRA VIOLET RAYS

A remarkable book! Every poultryman should read it. What are the vital rays that mean more eggs—bigger poultry profits? How can you be sure of a continuous supply of these rays in your poultry house? What is the best source of Vitamine "D"? How much does it cost per bird to keep them continuously supplied with a sufficient quantity of Ultra Violet Rays to increase egg production and prevent disease? Are medicinal substitutes necessary? These questions and many more are answered in this NEW BOOK—just off the press. Mail the coupon today for your FREE copy.

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Book

**CLAY
EQUIPMENT CORP.**

12 Curtis Street

CEDAR FALLS,

IOWA

CLAY EQUIPMENT CORP., Cedar Falls, Iowa.

Please send your new book "Vital Rays or Dead Light"—I house

.....hens and am interested in—

.... A New Poultry House.

.... Replacing windows in my present poultry house.

Name

R. F. D. Town.....

State



"Lady Beautiful" Barred Plymouth Rocks

have won **BEST DISPLAY**
at Madison Square Garden

for **5 CONSECUTIVE YEARS!**
1927-1928-1929-1930-1931

WE CAN fit you out with high quality show birds to complete your string. Single birds, pairs, or mated exhibition pens, either young or old. Now is the best time to strengthen your matings or make a complete new start from the finest collection of birds in our many years breeding.

1931 GARDEN WINS:

DARKS: 1, 3, 4, 5 cock;
1, 3, 4, 5 hen; 1, 2, 3, 4, 5
cockereel; 1, 2, 3, 4 pullet; 1
old pen; 1 young pen.
LIGHTS: 1, 2, 3, 4 cock;
1, 2, 3 hen; 1, 2, 3, 4, 5
cockereel; 1, 2, 3 pullet; 1 old
pen; 1 young pen.
All Firsts—All Specials!

Catalog on request, giving complete prices and winnings, to all prospective purchasers.

C. N. MYERS

BOX M

HANOVER, PA.

Windows Pay Big Poultry Profits

New VIO-RAY Window Fabric

Less than

3¢per sq. ft.
Postpaid

New Coating Process
Crack-proof • Weather-proof
YOUR MONEY BACK IF NOT SATISFIED

Admits Ultra-violet Sun-rays
More eggs—Healthier Birds

DON'T DELAY! Read our special offer!



GET MORE EGGS VIO-RAY Window Fabric lasts longer and does not crack like ordinary cloth window materials. Special coating gives greater flexibility. Waterproof, moisture-proof, storm-proof. Costs less! Greater egg profits. Saves chicks. Health for hog houses and dairy barns. Use on storm doors, back porches and cold frames. If your dealer can't supply, order direct from us. Enclose check or money order. Send 24¢ per square yard for orders of 10 yards or more. Add 3¢ per square yard for orders of less than 10 yards. We Pay the Postage. VIO-RAY COMPANY, Dept. L-121, 189 William Street, New York, N. Y.

B. P. Rocks WIN

For a Period of 40 Years Birds of Our Breeding Have Held an En-
viable Reputation for First Prize
Winings at Madison Square Shows

We have for sale Young Stock from some of the most choice matings we ever made, superior quality and fine laying blood. Write for wants.

We are preparing to furnish Eggs for Hatching for 1932 from like matings and booking orders ahead at usual rates.

Whether our patrons buy stock or eggs or both we can help them to success and shall certainly try to do our part toward attaining it.

BRADLEY BROS.

BOX 2

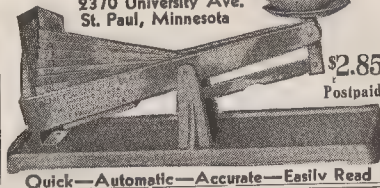
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A GOOD "TIP"

Use the
Acme

Egg Grading Scale for bigger profits. U. S. Govt., 100 State Institutions, poultry associations all use it. Made of aluminum. Durable—no springs or weights—no adjustments. Exact grade appears instantly. "Money Back Guarantee."

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\$2.85
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Quick—Automatic—Accurate—Easily Read

BUY A BROODER ON PAYMENTS



Due to the general depression the Phelan Brooder Co. will sell this season, their brooders on credit. Write for descriptive literature and terms.

PHELAN BROODER CO.
301 Equity Bldg.
Oklahoma City, Oklahoma

Black Leaf 40

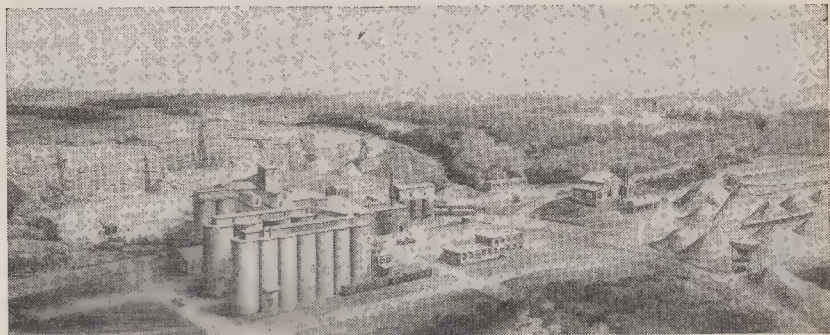
No Handling of Birds

JUST PAINT THE ROOSTS

KILLS LICE

Preparing Calcite for Poultry and Animal Food

By MAURICE F. DELANO



Plant of the Limestone Products Corporation

Very few of us humans know very much about the details of the other fellow's job. This is the main reason that each of us is very apt to feel that our own particular lot in life has required a little harder work and a little more brain expenditure than has been needed to be successful in most any other calling. During my active years as a poultry raiser, I fed several carloads of prepared grit and several tons of prepared minerals to my poultry.

What could be simpler, I ask you, than the lot of the man who picks up the rock that the processes of Nature have prepared for him, gave the rock a blow or two, packed it in bags, and sold it to me? I have watched granite and marble blocks being quarried and have seen stone crushers at work, but I required a visit to Newton, N. J., and several hours spent at the plant of the Limestone Products Corporation of America to show me how little I really knew about the production of grit for poultry, and of mineral flour for poultry and animal consumption. What I saw there, briefly told, and with no effort at being technical, will interest you.

I was driven from the offices in Newton to the quarry and plant five miles away at Lime Crest, N. J. It was my good fortune to be accompanied by one of the organization who has been devoting his time to their general research program. This gentleman has made a very careful study of the feeding branch of the business and it was evident that he knew his subject very thoroughly, and from every angle. On the way, he described the deposits unique among limestone deposits because of its crystalline formation. Nearly as pure as Iceland Spar, certain strata were nearly pure Calcite. Also, this unique crystalline formation resulted in a perfect hexagonal crystal, no matter how finely the rock was ground.

My first impression was one of immensity—not only of the quarry itself, but also of the plant that had been erected to work it properly. The out-cropping rock, or small mountain covered about forty acres, and the average elevation above the quarry floor was 70 feet. Large sections were first cleared of all top dirt by hydraulic hose, then drilled and toppled over into the quarry by blasting. Samples of each stratum were carried to the laboratory and only those closely approaching purity were used as material from which calcite grit for poultry and calcite flour for poultry and animal feeding are made. This grading having been completed, the material is loaded on six yard dump cars and drawn by a tractor along a railway to a point just outside of the plant. There the cars are dumped down to a gyratory crusher which can handle 2,000 tons in a ten hour day. This crusher in operation looks as inexorable as fate. The rocks were ground quickly to a six-inch size, or smaller. This material is then carried by a bucket-elevator to a four-section screen where it is quickly sorted by sizes, and dropped into four bins. The over-size rocks are returned to the original crusher to pass through once more. The material is carried from these bins on a belt-conveyor and deposited in a 25-ton capacity steel hopper-bottom bin. From here it is discharged to a rotary dryer through a table-feeding mechanism. Another elevator takes the material from the dryer to another hopper-bottom bin from which a table feeder arrangement feeds it to a hammer mill. The rock is now reduced to go through one-eighth inch mesh. The material is then fed into a compartment tube mill.

This mill so grinds the stone that seventy-five per cent will pass through a 200 mesh screen. This mill has a twenty ton per hour capacity.

The finely ground material is discharged to a screw-conveyor which in turn discharges it to a chain-elevator equipped with buckets which raise the material to the top of the four big storage silos 75 feet in height. Again a screw-conveyor carries it to the particular silo in which it will be stored. These reinforced concrete stock-houses are enormous, each 33 feet in diameter and 75 feet high, and having a storage capacity of 3,000 tons. At one end is the machinery mill air separators and main elevator, and on top is the ten feet high building which houses the distributing and reclaiming screw-conveyor. I was very greatly impressed with the air separation system for I learned that Calcite Flour used for poultry and animal feeding purposes is all "air floated." This is for the purpose of getting it to the very finest degree of pulverization in order that it will mix with mash ingredients more thoroughly.

The pulverized calcite flour is weighed and bagged by the Bates' system. After the bags are filled, they are placed on a conveyor-belt which takes them directly into the freight car that is being loaded. Three of the packers have a capacity of 500 tons of pulverized limestone in a ten hour day.

All of the rock toppled over by the blasting is utilized. Many thousands of tons are used as fluxing stone. The balance is cracked to proper sizes, and makes perfect material for road building. A fleet of trucks works all the time. Many carloads also go by freight. Geologists estimate that there are 10,000,000 tons above the quarry level, and if worked to a depth of 160 feet below the present level, an additional 30,000,000 tons can be produced.

Limestone Products Corporation have more than a million dollar investment in their plant. Their business in calcite grit and calcite flour is growing larger each year, as poultrymen and live stock feeders come to know their product. As I said before, every stratum used for feed must prove in their own laboratory that it is practically pure calcite. The plant is complete. It has its own power-plant and its own water-plant. The annual business is very large, and growing larger.

I was driven back to Newton and advised the gentleman from the Research Department that I was out of my element, but would do my best to tell how "Lime Crest" Calcite was ground and prepared for use in a layman's way and in layman's language.

PLYMOUTH ROCK AWARDS AT KNOXVILLE, TENNESSEE

Barred—Lynn Z. Morris: 1-3-4 cock, 1-2-4 hen, 2-3-5 cockerel, 1-2-3-5 pullet, 1-2-3 young pen, 1 old pen. Bentley & Staub: 2-5 cock, 3-5 hen, 1-4 cockerel, 4 pullet, 4-5 young pen.

Dark Barred—Lynn Z. Morris: 1-2-3-4-5 pullet, 1 young pen.

White—Luther Lee: 1 cock, 1-2 hen, 1-2 cockerel, 1-2 pullet, 1 young pen. H. C. and A. K. Jones: 2-3-4-5 cock, 3-4-5 hen, 2-3-4-5 cockerel, 3-4-5 pullet, 2-3-4-5 young pen.

Buff—Riverside Hatchery: 1-2-3-4-5 cockerel, 1-2-3-4-5 pullet.

Partridge—Mark T. Marshall: All awards.

HALL SOLD MORE CHICKS THIS YEAR THAN LAST

(Continued from page 12)

poultry and its possibilities, and a real knowledge of general farming to produce such results as I found on Poplar Hill Farm. The answer was not hard to find. Hall Bros. are a perfect combination and each is supreme in his field.

A. B. Hall is the inspired poultryman of the firm and L. C. Hall is the man who has charge of the orchards, the general farming, the cattle, and the general upkeep and beautifying of this immaculate hundred acres. It would be impossible to find any farm that is better run, nor one that is more attractive.

Twenty years ago Hall Bros. started in the poultry business and the succeeding years have been marked by steady growth and progress. From its inception the one thought has been to improve the flocks each year and to give the customers chicks that would live, would grow, and would pay. The slogan adopted is "Well Bred From Well Breeders." It is rigidly adhered to. Nothing is ever left to chance. Strict attention to every detail has developed and maintained flocks that are bringing the desired results. The business has grown from a few thousand chicks in 1911 to just short of two millions this year. Mere salesmanship alone could not have accomplished this result. It means that thousands of customers have found Hall Bros. chickens increasingly profitable and have come back with larger and larger orders year after year.

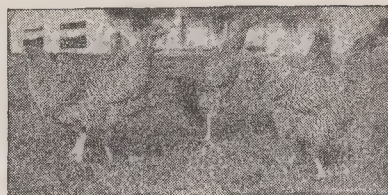
About eighteen years ago the blood test for Pullorum Disease was first perfected to the point where it was practical and accurate. Hall Bros. immediately availed themselves of this official method of safeguarding their flocks and the welfare of their customers. Every year from that time down to date each individual breeder on the home farm and in the auxiliary state supervised flocks on neighboring farms, is tested and is free from this dread disease. The files are full of testimonial letters. They tell of low mortality, rapid growth, heavy weight at an early age, early maturity, and extremely fine egg yields. For instance, 1,500 Red chicks were shipped February 2 last year to a New Jersey customer. On March 8, 1495 of these were alive and husky. On June 19, a northern New York customer reported that he had lost only the extras from 1,000 Reds shipped March 15 and 1,000 Leghorns shipped April 15, and that the Reds averaged to weigh 30% more and the Leghorns 27% more than the Standard established at Cornell for the weight at their specific age. Another reports that 72 pullets raised from 150 Grade A Red chicks laid an average of 242.20 eggs per bird in the Home Laying Contest of the state of Connecticut. A Vermont Barred Rock customer wrote on May 21 that he had 601 chicks living from the 600 received six weeks ago that morning. (Again the extras covered the small mortality.) These samples from the testimonial files prove that Hall Bros. are doing exactly what they have tried to do from the start.

A. B. Hall is quiet, unassuming and reserved in manner. Arouse his interest by some question regarding his methods, and the flash of his eye, and the ready but brief answer amply prove the real forcefulness of the man. Most of his time is devoted to his large poultry business. He is keenly interested in flying and everything pertaining to it. Last July he flew to the Baby Chick Convention at Louisville with Meade Summers of Purina Feeds. More recently he flew to Washington with Mrs. Hall and their two older children, returning the next day. The Halls have five children ranging from four to fourteen years of age. The older boy is a member of the 4-H Club and took full charge of a pen of 75 Reds last year.

Hall Bros. breed Reds, Barred Rocks, White Leghorns and White Wyandottes. They have also produced an especially good cross-bred chicken for broilers. They hatch the year round. When I was there, September 22, they were hatching 35,000 each week and orders were already booked for the entire output two months in advance. The incubator cellar was operated at one-half capacity. The perfectly designed ventilating system kept the air pure and sweet even on this warm day. Everything is kept clean and disinfectants freely used. Peat moss is used in the poultry houses and this litter is largely responsible for the building up of the soil and the remarkable productivity of the entire farm.

Any poultry breeder or hatcheryman would profit by a visit to Hall Bros., and a study of their methods. Everything they do is to insure paying results to their customers. The breeding and care of their birds; the perfect sanitation of their flocks, their buildings and their incubators; the courteous and careful handling of all visitors and the insistence that every customer must receive a little more value than he expects; have all been factors in the building up of this outstanding poultry business of Hall Bros. at Wallingford, Conn.

BOOTH FARMS BARRED ROCKS



Our champion pen Barred Rocks, Murphysboro, Ill., contest, 1931, averaged over 240 eggs per hen. Bred and raised by Booth Farms.

Booth Farms Barred Rocks are the big, snappy, strikingly barred type that can win not only in the Egg Laying Contests but in the showroom as well.

In 1930 Booth Farms produced the Champion pen of Barred Rocks at the Murphysboro, Ill., Contest. In 1931 we again produced the Champion Pen of Barred Rocks at Murphysboro and in addition had the winning pens of Barred Rocks at both the Louisiana National Con-

test and Quincy, Ill., Contest. Every one of these hens was bred and raised on our farm.

The Booth Strain has been developed through 20 years of careful trapnesting, mating and breeding. If you want rich, beautiful barring, vigor, early maturity, large eggs and winter egg laying ability, the Booth Farms strain is one that you can choose that will give you what you want and save you money as well.

1932 CHICKS AT LOW PRICES

Booth Farms operate on a large scale and do a big volume of business, just so, we are able to offer chicks much lower in price than you would expect and yet you are able to get chicks that are directly related to our best contest winners at our low prices.

Big Discounts on Early Orders

Take advantage of our liberal discounts on orders placed now for delivery in 1932. Small deposit down guarantees delivery date. Balance C.O.D. if desired.

Guaranteed to LIVE

and LAY More Eggs
We GUARANTEE our chicks to live and to make better layers than any you can get elsewhere at any price, as explained in our catalog.

FREE Catalog

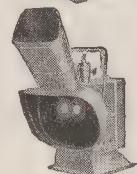
Tells about our breeding methods. Gives full contest records and pedigrees and shows actual photos of our farm and high record flocks.

Booth Farms

Box 574, CLINTON, MO.



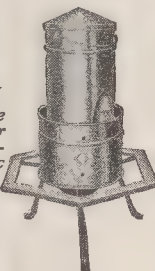
Oakes all-metal, 10-hole, lice-proof nests



Oakes Da-Lite Egg Candler Model 3, Kerosene or Electric



Keep Warm Thermo Fountain



Oakes valve-float winterfount



Oakes roost-proof Flock Feeder

Give your hens clean feed, clean warm water and lice-proof nests!

Hens that lay in winter are hens that really pay. OAKES winter poultry equipment helps hens avoid winter ills, and maintain the vitality and strength necessary for heavy egg production. Better dealers everywhere are showing the complete OAKES line. A few of the famous OAKES labor-saving profit makers are shown. The OAKES Catalog describes nearly a hundred others. Write for your copy. THE OAKES MANUFACTURING CO., Dept. 358, Tipton, Ind.

Light—GROLL BARRED ROCKS—Dark

LINE-BRED SINCE 1900 FOR EXHIBITION AND PRODUCTION QUALITY
Winners at Chicago, Pittsburgh, Cleveland, Toledo, and other shows. Old and young birds for exhibition and breeding. Selected cockerels at low prices. Satisfaction guaranteed. Orders booked for Ohio Accredited Barred and White Rock and White Leghorn Chicks. Price list free.

DAVID J. GROLL

HOLGATE, OHIO

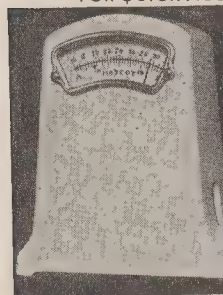


FREE HOW TO RAISE 95%
"Grew 300 chicks to 4 weeks of age in 6 LIV-AN-GRO brooders with less than 3% loss. Most successful brooder I have ever tried!" said Clardy, Missouri. LIV-AN-GRO brooders have wire bottoms, outside feed and water pans, twilight interiors, double walls, electric or room heat. Patented. Order from your hatchery or direct. Electric type \$2.00 postpaid. Write for 50c "New Secrets" book free.

ANDERSON BOX COMPANY
Department 23, 700 West Morris St., Indianapolis, Ind.

MASCOT EGG GRADER

FOR QUICK ACCURATE WEIGHT



No Loose Weights,
RATTLING PARTS,
Gears or Springs.
Double graduation.
16 to 32 oz. per doz.
1 1/3 to 2 2/3 oz. per
egg.

PRICE
POSTPAID
\$2.95

Money Back
Guarantee

PROSPECTUS MFG. CO.

Dept. D, 21 Melbourne Ave. S. E., Minneapolis, Minn.

PARKS' Brod to Lay BARRED ROCKS



Eggs & Chicks 40% Below
1929 Prices
America's Oldest and Greatest
Laying Strain of Rocks. Carefully
Selected, Trapnested and Pedigreed
for EGGS since 1889.

GREATEST CONTEST WINNERS
—WORLD RECORD LAYERS
DON'T Buy until you have read Parks
Catalog. It's FREE.

J. W. PARKS & SONS
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Protect Poultry Profits
ACCINATE
The scientific way to prevent and
treat Cholera and infection accom-
panying Roup, Diphtheria, Colds,
Canker and other diseases.

B-B Avian Mixed Bacterin
Easy to use. Produced under U. S. Vet-
erinary License No. 17. Money back for
every dose that fails. Write for Dr.
Beebe's Short Course on Poultry, FREE.

BEEBE LABORATORIES, Inc.
Dept. D-34 St. Paul, Minn.

B-B "Double Shot" Worm Capsules
Get Round, Pin and Tape worms quick
100 for \$1.00 1000 for \$1.75
2000 for \$3.00

60 doses \$2.00
200 doses \$4.00
500 doses \$6.50
FREE
Syringes if you
order from ad.

WHITE ROCKS

M. P. I. A. Certified and Pedigreed
OFFICIAL RECORDS 290 EGGS

Won 2nd and 5th on eggs, Missouri State Fair.
Cockerels bred for size, quality and numbers of brown
eggs. February and March hatch. M. P. I. A. In-
spected and banded. Circular free.

BOOKING ORDERS FOR HATCHING EGGS

MRS. H. W. LINHART, Dawn, Mo.



Big numbered poultry band from 1 to 1,000 printed on
celluloid enclosed in an aluminum band. Six different
colors easily read from a distance. Recommended for
trapnesting. Price two cents each. Send for sample
and circular.

BOURNE MFG. CO., 238 Howard St., Melrose, Mass.

UNITED COLORPLATE STRAIN

CRYSTAL WHITE ROCKS—DARK BARRED ROCKS
Show birds and breeders ready. May we send you
our catalog?

Bolson's Oakview Poultry Farm, Rt. 4, Decorah, Iowa

Certain Ways to December Profits

(Continued from page 8)

when curtains are needed to keep out high winds and driving snow, but we have found that the thinnest cheese cloth or loosely-woven burlap (such as opened feed bags of open-mesh weave) is better than the heavier muslin. We have found that screen-wire will break most winds enough. It is a mistake to hang thick muslin curtains with the first breath of winter and leave them hanging.

It is sometimes fine to have roof ventila-tors, but we have found that we can have very good ventilation from the south if the front is partially open all the time. It is never best to have the house much wider from side to side than it is deep from front to back. Many a house has been made a real home for the hens by putting in a good floor, a solid partition through its center from front to back, and insulating and providing adequate ventila-tion to make the air change often enough to keep fresh without drafts. In a good house a chicken has both nature and good conditions to help it resist any disease in-fec-tion.

As for lice and mites, there are too many good remedies to use against them to al-low for their continued presence in any house or flock. A 40 per cent nicotine sulphate preparation painted on the perches late in the afternoon will provide fumes to permeate the feathers and kill the lice on the hens that roost that night on the perches and will kill any mites coming into contact with it. It is necessary that all the hens roost on the treated perches. To control mites all the places where they can hide must be sprayed or painted, us-ing a preparation known to be effective. I am sure that often remedies are condemned when insufficient use has been the fault, rather than the remedy itself.

Eggs should be gathered twice a day or oftener when the weather is extremely cold, and they should be stored in a clean, dry and cool place. They should never be put into a place where any oil or vegetables are stored; or where they will be sub-jected to changes of temperature; nor in a room that is hot during the day and very cold during the night. The care that you would give hatching eggs is good care for high grade market eggs. Eggs should be marketed twice a week. Often, it is sur-prising how little trouble it is to get started with a few private customers and from their approval of your good eggs to grow into having more demand than you can supply. This month there will also be a considerable demand for high quality, well-fattened roasters, and the late cockerels and the hens that are not producing the best can be dressed to order, for holiday tables.

Most of all, while we are trying to make all of our work better, we must keep faith in our future. It looks far brighter than it was a year ago!

When chicks do not get an abundance of direct sunshine, the use of cod liver oil is highly recommended especially for early and indoor brooding. A good mixture is, one-half pint to 100 pounds of total feed.

8x8 ft.,
\$47.00



8x10 ft.,
\$55.00

YOUNG'S NEW MODEL COMBINATION

Brooder House, Shelter and Winter Laying House
A building that will earn you money every month in the year. Warm and snug in winter; cool and airy in summer. Ideal for winter broilers. Write for descriptive leaflet and complete catalog.

E. C. YOUNG CO.
100 Depot St.
RANDOLPH, MASS.

Scores of
Approved
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Cost
Less Than
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THE KEYES-DAVIS COMPANY

33 Hanover Street Battle Creek, Michigan

WHITE—BARRED—BUFF

Approved R.O.P. cockerels. For size, type, vigor, along with production, they cannot be best. Prices right.

TEN PER CENT DISCOUNT

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Insulation an Essential in Modern Poultry House Construction

(Continued from page 11)

heat passes readily, while wood and fibrous materials are poor conductors through which heat does not pass readily.

Conduction plays an important part in heat loss from poultry houses, especially those houses which are constructed with only a single thickness of siding and roofing boards, and which are not insulated. A very practical illustration of heat loss through conduction is offered by one of the long laying houses on the Ohio University plant. The two center pens in this house are insulated, while the end pens are not. In winter the snow is often completely melted off the roof of the end pens when there is still four or five inches of snow on the roof of the center or insulated pens. The insulation reduces the conduction of heat through the ceiling, consequently the snow melts much slower. The rapid heat loss by conduction through the ceiling of the uninsulated pens accounts for the rapid melting of the snow and frost on the roof over those pens.

The amount of heat lost by conduction can be greatly reduced by lining the inside of the building with a good insulating material.

Air in motion makes for rapid transfer of heat due to convection. Dead air, or air in a space where there is absolutely no motion, provides the greatest possible insulation. Placing the insulating material on the studs or rafters makes a dead air space between the siding and the insulating material, and thus reduces heat loss because it reduces convection of heat from the insulation to the siding. The insulating material, too, absorbs heat more slowly than does siding.

Everybody is familiar with radiation of heat from an open fire, but it is not so generally recognized that radiation plays an important role in heat transfer at ordinary temperatures. Partition walls and all objects in a heated poultry house, for instance, radiate heat.

Some substances are transparent to heat rays and others absorb them. Air is almost perfectly transparent to radiant heat, while such materials as wood, hair, felt and mineral wool, substances commonly used in insulating materials, are almost perfectly opaque to it.

However, heat radiated from objects within the house to the surface of the inside walls of the poultry house may be readily lost through the walls by means of conduction, unless the house is lined with good insulating material which is a poor conductor of heat.

With properly insulated poultry houses, proper ventilation and the control of moisture in the house become comparatively simple problems. This will be discussed more fully in a later issue.

When the birds stop laying and molt, the amount of grain should be increased. Hopper feeding might be used at this time. Green food (sprouted oats are the best in winter) and milk should be furnished in abundance.



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a total of \$625.00 each or a Ford Tudor Sedan and \$125.00 extra for being prompt "I'll bet you've never heard of anything easier than winning a first prize in our popular contest—12 equal first prizes are being given away at once, and if there are ties, we'll pay duplicate prizes. Winners will be selected according to their grades when the final decision is made. We do not accept answers from people outside of U. S. A. or in Chicago. Try your luck, now in finding my twin and me. Send the numbers you think are ours by letter or by card to Mr. Clark at the address below. You'll hear at once if you are correct."

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Room 274, 52 W. Illinois St., Chicago, Ill.

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Costs Nothing to Try

Mrs. C. H. Wagner, Milwaukee, Wis., has a real idea for chicken raisers who are not getting eggs. She says:

"On Nov. 1st, our 150 pullets were not laying. I gave them Don Sung and got 364 eggs in the next 3 weeks; sold \$75 worth in December, and \$100 worth in January. The birds were strong and healthy all winter, and cackled like it was spring."

Don Sung, the Chinese brand of tablets which Mrs. Wagner used, are opening the eyes of chicken raisers all over America. These tablets can be obtained from Burrell-Dugger Co., 189 Postal Station Bldg., Indianapolis, Ind. Poultry raisers whose hens are not laying well should send 50 cents for a trial package (or \$1 for the extra large size, holding 3 times as much). Don Sung is positively guaranteed to do the work or money refunded, so it costs nothing to try. Now is the time to start giving Don Sung to your hens, so you will have a good supply of fresh eggs all winter.

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Readers of the PLYMOUTH ROCK MONTHLY who have any problems connected with their poultry may write to Prof. Smith direct at the University Farm, St. Paul, Minn., and a personal reply will be sent promptly by letter. Prof. Smith is head of the poultry department at the University of Minnesota and one of the highest authorities on poultry raising in America. Subscribers are invited to consult Prof. Smith freely. Problems of general interest will also be discussed in this department for the benefit of all readers.

Treatment for Sour Crop

What would you do for a pullet that has a bad crop? I do not think she is crop bound, but the crop appears more like a sour crop. I am feeding scratch and mash. I cleaned the crop out and found nothing but wheat, which lead me to believe that wheat was the cause. What would you suggest?—T. G., Virginia.

Answer: I should see that the birds have plenty of grit and in this case several kinds of grit, first, cracked limestone rock, crushed oyster shells and gravel. I should try and starve the bird so that the crop was perfectly empty. Now I am a little in doubt as to whether this is a sour crop or whether the crop is filled because the lower esophagus or gullet which connects the crop with the stomach proper or the proventricles is stopped and you failed to notice it. If the feed all passes, but the wheat, the latter cannot be the case and the bird is undoubtedly suffering from sour crop. You can get the crop emptied quicker by giving one or two teaspoonfuls of pure olive oil and feed on soft feed such as bread and milk. Bits of broiled meat would also be good feed to give birds under such conditions. I should sprinkle both the bread and meat with a little fine sharp sand. After a day or two I should give succulent greens. I should not give anything that has had considerable growth, because they will be too hard to digest and might aggravate the trouble.

Serious Trouble

Will you kindly tell me why chickens that show the following symptoms die? The intestines seemed inflamed, sometimes the blind gut is filled with a cheesy substance and sometimes with a putty like substance. The most noticeable change was the gall bladder. It was enlarged several times its natural size. The liver was also enlarged, sometimes very much enlarged.—R. O. B., Kansas.

Answer: The symptoms would seem to point unmistakably to coccidiosis. The thing to do is to keep these birds well nourished, let them have plenty of laxative feeds so there will not be an accumulation in the intestines and so the action will be fairly rapid. Feed plenty of cornmeal and 20% of bran in the mash. Also feed plenty of succulents, like some sliced raw roots, such as mangels, rutabagas, turnips, etc., and at least 20% dried buttermilk in the mash.

I do not know of any such bellows for putting dust on poultry. In past years I have seen a few such contrivances, but none of them have been on a popular basis. I think the simplest thing to do is to use the Black Leaf 40 method. Paint the roosts with Black Leaf 40 about 30 minutes before the birds go to roost.

Trouble Comes and Goes

I lost about 60 of 150 baby chicks shipped May 18. They were received on May 20. They were fed on ——— feed and cod liver oil. Feeling my loss was too great I decided to change the feed and had a local dealer mix a mash of 25 pounds each of standard middlings, pulverized oats, cornmeal and 12½ pounds of dried milk. On this mixture I noticed an immediate improvement, but at the age of 10 weeks they weighed close to 3 pounds. Then the trouble began again. They stopped eating, the craw filled with gas and there was looseness of the bowels. After eight to ten days they began to die. I have changed feed, disinfected the poultry house, and covered the floor with three inches of peat moss, but the chicks seem to grow worse. Until this latter change in feed I had used shavings for litter. They are on a cement floor raised about 10 inches from the ground.

What do you think of the mixture of 25 pounds each of middlings, oats, cornmeal and 12½ pounds dried milk? Could this mixture be a forerunner of my present trouble or do you think it was in the baby chicks when I bought them?—W. R. S., Connecticut.

Answer: It seems to me that it was quite a long distance to ship baby chicks from Missouri to Connecticut. The chances they were chilled in transit or starved too long are fairly good. They were three days without food when received. To my mind this weakens the chick and makes them much more easy to chill. The first losses, I think, were due to length of shipment. If you are feeding the above mash without grains or scratch feeds the proportions are about right. If fed with these, however, you should use more dried milk. I noticed that you missed salt and these chicks should have had one-half pound of salt at least in every 100 pounds of feed, which should have been fine table salt. They also need succulent greens and I believe I should add 10 pounds of bran to this mixture for its laxative effect for I notice that you say the crop is filled with gas. That probably means that there is a stoppage somewhere in the digestive tract. The birds are possibly suffering from acute indigestion. They may need more minerals. Those chicks that lived must have been fed right if they weighed about 3 pounds in 10 weeks as that is quite excessive weight at that age.

The Yolks Miss the Oviduct

Are my Plymouth Rock hens too fat and is that the reason they do not lay? I have killed some and the eggs are a dark color and the egg bag seems to have burst and a number of yolks have collected in the body of the hen. The intestines seem to be embedded in fat. They are fed corn, wheat and mash. They lay well. They have something like white diarrhea all the time.—C. L., Tennessee.

Answer: Of course, this white discharge from the vent might indicate vent gleet. However, I think not, because this has a very offensive odor and a cheesy-like dry white matter would collect around the vent and inside the vent.

It will undoubtedly take you a long time to get these hens to lay as they are evidently too fat to lay. The best thing to do with them is to market them or use them for food. Some hens run to weight and others to fat. Keep the hens that run to weight. Hens in the same strain, variety, and breed differ temperamentally. Some will take on fat and refuse to lay while others will lay on the same ration.

Capons Listless

What is the trouble with White Plymouth Rock capons, 4 months old and 6 months old, they become listless, keep to themselves, slow of movement, poor appetite, long legged and big boned, but no flesh. They are very light compared to others of the same age. I culled out 35 pullets yesterday and one was very light, large, sour crop. I thought of T.B.—E. P. M., Iowa.

Answer: I hardly think it is T.B. for we seldom have T.B. in such young birds. I wonder if you haven't had the two ages together and these poor doers are mostly in the four month old class. Younger chickens put with older chickens seldom do well. Another thing that comes to my mind, from the fact they had a sour crop, is a lack of grit and greens or in other words their diet has not been adequate or complete. I could have done much better in diagnosing this case if you had told me just how you were feeding, but as long as you have not, I would simply suggest that you keep a good mash before them of 20% dried buttermilk, fish meal, etc.; in other words,

20% of concentrated protein. I should have crushed oyster shells, cracked limestone rock, known as poultry grit, where the birds can have access to it at all times and if you have a load of gravel I should put that somewhere where they have access to that, too. Evidently they need some aid to digestion.

It sounds to me as though your birds have digestive disturbances, from eating tough, dried grass. Possibly they have been without animal protein. Any of these things might cause the trouble you mentioned. There are other things that might cause the same trouble. If I killed the bird I certainly should have opened it to see whether or not it had worms. If it had tape worms or round worms to any extent the same symptoms would be in evidence. You could also tell from the intestines whether the bird had T.B. or not. If it had T.B. it would have nodules on the intestines or white spots in the liver.

If you care to give me the particulars about the rations and conditions under which these birds are raised I may be able to come to a more definite conclusion, but, as it is, the only thing I could do was to cite several symptoms which might cause this trouble and you can, of course, weigh the evidence in all directions and determine for yourself what is most likely to be the trouble.

Leg Paralysis

Can you tell me why it is that some of my chicks hatched this spring, get to dropping, stand around and get crippled and live for a long time? They are good shape and seem to be normal—but their intestines seem to be very thick. That is all I can see. They have no worms. Can you tell me what is the trouble?—H. D. C., Maryland.

Answer: There are a number of diseases that cause chickens to become weak legged. For instance, it might be a general weakened condition, which might cause them to show this trouble. It might be malnutrition, it may be a degeneration of the nerves in the spinal cord and as you suggest it may be worms. From what you write I think it is the result of coccidiosis. I should see that they have nourishing feeds. One good thing would be skim milk to drink or buttermilk. One is as good as the other. The feed should be laxative so that the intestines will clear out and get rid of as much of this trouble as possible. Feed succulent greens. Sliced juicy root crops would be good for them. They would want to be cut in large slices so that the chickens would want to pick into them. Put them on new ground if possible and thoroughly clean out the poultry buildings and disinfect them. This applies to drinking dishes and feeding dishes. The dropping boards should be cleaned daily. Have a liberal supply of bran in the mash. I should depend upon laxatives rather than physics.

Best Way to Feed Potatoes

Will you please tell me whether potatoes can be fed to chickens to advantage and if so how should they be fed?—J. A. A., Montana.

Answer: Raw potatoes make quite good succulents. In order to coax the pullets to eat them it may be necessary to cut the potatoes in two, and possibly to sprinkle a little meal over the freshly cut surface. After they have had a taste they will eat them quite readily, though it still may be necessary to cut them in two. They have no great food value, but may be fed as succulent to aid digestion and as an appetizer. Vitamins should be furnished by the other feeds. Potatoes are a good supplementary succulent feed and so are green alfalfa leaves either fresh or dried. If you want to get food value from the potatoes they should be cooked and mixed with the laying mash. If used in this way they should be fed sparingly for the fowls' crop should not be overloaded, as in that case they loaf about and are quite liable to catch cold which is followed by roup and kindred diseases.

I believe on the whole more benefit is derived in feeding potatoes raw than cooked, but this would not be the case if you have other root crops.

PLYMOUTH ROCK AWARDS AT THE SOUTH BERWICK, MAINE, POULTRY SHOW

November 10-12, 1931

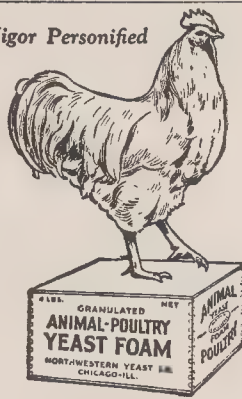
Barred—Corson & Daum: All awards.

White—Ralph Foss: 1 cock, 1 hen, 1-2 cockerel, 1 pullet, 1 young pen. W. F. Worcester: 2-3 cock, 3 hen, 1 old pen. Gertrude Merrill: 4 cock, 2-4 hen.

Buff—Albert Austin: 1 cock, 4 hen, 2 cockerel, 3 pullet, 1 young pen. Leo Belanger: 1 cockerel, 2 pullet. Edward J. Turner: 2 cock, 1-2 hen, 1 pullet. W. F. Worcester: 3 hen.

Partridge—W. F. Worcester: All awards.

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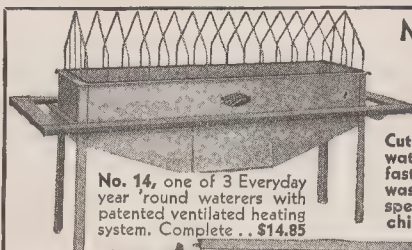
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Wheezing, Rattling, Choking, Ends. Trouble Stopped In 48 Hours

Readers with colds in their flocks should read this letter from Thomas Pulliam, Shively, Ky. He says:

"I have had birds with their eyes closed from colds, and have saved them all. One cockerel was nearly dead. He lost 5 pounds. I gave him Group-Over and in two weeks he was full of pep and fighting every rooster on the place. Why do people let their birds die? It's so easy to save them with Group-Over."

It is amazing how quickly Group-Over ends colds in poultry. A few drops in the nostrils usually banishes every symptom over-night—while a little in the drinking water, as a preventive, guards the whole flock. For a liberal supply, send 50c for \$1 for the extra large size) to Burrell-Dugger Co., 522 Postal Station Bldg., Indianapolis, Ind. As Group-Over is guaranteed to do the work or money refunded, it costs nothing to try.

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Chicks from pedigree, trapnested hens and approved R.O.P. males. Records to 296 eggs.

R. C. WALLACE, 2nd and South St., Lafayette, Ind.

Where artificial illumination is used, a fountain with a heating device attached is necessary during cold weather to prevent the water from freezing.

Pratt Experimental Farm Barred Plymouth Rocks in 1930-31 Contests

(Continued from page 12)

one hen near the top of Barred Rocks. At Ottawa one hen has high individual of all varieties near the close of contest and pen standing well. The Maryland pen also well over 200-egg mark. Final reports from these four contests had not come in when I secured the data the latter part of October.

The Vineland, New Jersey, Contest has added to the glory of Pratt Barred Rocks. For the third consecutive time at this contest the Pratt birds won high Barred Rock, and high heavy pen. And the leading individual in the pen was high individual for the entire contest of 1,300 birds. This year this bird laid 298 eggs and scored 305.25 points. The Pratt Barred Rocks have, without doubt, established a record with this Vineland winning.

Remember—each year for three consecutive years, a female in a Pratt pen has been high individual in the contest. This means that three Pratt pullets have shown the way to 3,900 competitors from all sections of the United States and Canada.

A brief summing up shows that with pens in nine Standard contests, the Pratt Barred Rocks were high in eight, and second in the other.

The pens at the other four were doing nicely.

The Pratt birds won high individual of all the Standard contests. The Vineland result is a new record, read it once more. They established a new Barred Rock record for Hunterdon County. Best of all, the Pratt Barred Rocks last year showed larger egg size. The careful breeding along this line is rapidly showing desired results.

Walter Keller takes particular joy and pride in his Barred Plymouth Rocks. Well may he do so. Certainly the careful breeding from official record birds has produced wonderful results. Every female in 1931 stud matings was an official record bird, and every male was bred from an official record dam. Any breeder is justified in being proud of such a record of accomplishment. My congratulations to the Kellers, father and son, and to Lloyd Crede, their efficient superintendent, on having completed a most successful year of competition at official egg contests.

White Rocks at the Storrs Contest, 1930-31

(Continued from page 9)

to April 5. Half of them were pedigreed from 200-egg dams. Half were unpedigreed, being selected by appearance only. They laid an average of twelve eggs before being sent to the contests, and thus were selected on size of egg and shape of egg, and appearance.

This pen finished in fifth place. These pullets were raised on range in a flock of fifty pullets, all selected for contest purposes. Starting June 1, grain was supplied in hoppers and every effort was made to get good body weight before their lay was started. They were slightly above Standard weight when sent to the contest.

The above information is given for what

it is worth to breeders who have never entered a pen in an egg laying contest before, the only idea being to encourage Plymouth Rock entries for next year. To be more specific, let's give the present winners a hot fight not only at Storrs, but all over the country. Let's make the "Plymouth Rock" name even more popular than it is today.

LEG BANDS FOR POULTRY

Successful poultry breeding rests on a foundation of keeping individual ancestry and performance records on which to base breeding programs. Leg banding is a cheap and easy method of keeping a complete record.

One thing is certain, no breeder wants to keep poor layers or broody birds. He wants high-producing hens; hens that bring the most profits. He wants to cull, but how is he to know which birds to cull if he has no record? Not only will leg banding help him to cull, but it also helps to keep a record of sick or diseased birds; or birds who lay infertile eggs. There is nothing that he will not know about his birds if he leg bands them and keeps a complete record.

Banding should begin early. After the chicks are hatched and dry, they are removed from the incubator and leg-banded. Later, this band can be transferred to the wing where it becomes a permanent identification. Bands are usually numbered from 1 up; and if desired can carry a letter—the first year, A; the second year, B; and so on. With this method it is simple to tell the age of any bird at any time. Celluloid bands are light; metal ones are more durable; and colored ones make an easy code system. Any of these are inexpensive, and are necessary for a complete record of your birds.

Leg banding helps you to improve your breed.—A. WAIN.

FRESH WATER NECESSARY DURING WINTER

Sixty-five per cent of an egg is water. In view of this, and the fact that water is the cheapest "food" hens receive, it is absolutely necessary that a fresh supply of it be kept constantly before them.

In the summertime this might easily be done by frequently changing the water. In winter, the maintenance of a constant supply of fresh water is particularly hard, especially in severe weather, when the tendency is for it to freeze within a few minutes after it has been placed in the pen.

There are two ways in which this problem may be solved. First, changing the water every two or three hours and replacing with warm water. This, all poultrymen will admit, is a nuisance. The second method, and by far the best, is to have a water fountain, usually of galvanized iron, which contains a chamber at the bottom for a small oil lamp. Water in these will not freeze. A large flame is not necessary as a small flame will prevent freezing even in severe weather. A fount of this sort will supply 200 to 300 chickens a day with only one filling.—J. J. KIELTY.

Earliness of laying is an inherited factor primarily controlled by breeding.

AMERICAN WHITE PLYMOUTH ROCK CLUB NOTES

(Continued from page 19)

White Rock breeders than last year. Complete information will be published in the January notes.

The National Meet, Madison Square Garden, January 13-14-15-16-17, 1932

As stated elsewhere, the national meet will be held at the Garden this winter, and we are expecting a fine response from the Eastern members as well as a few of the Western breeders. I hope some of the younger exhibitors will not let the name of the great Madison Square Garden scare them out. Sure, it takes the stuff to win at the Garden, but whether a prize is won or not, to have some of your best birds there and to get the judge's comment as well as comment from the old-time White Rock exhibitors is worth a lot. I am going to make the suggestion that some of you try entering two or three birds. Get them out now and use all the technique you know of to get them in proper shape. Do your best, then send them to the Garden and come along yourself if possible. I believe you will be surprised at the result. If you are going to send birds and do not accompany them, let me know and I will be glad to look out for them just as I did last year at Milwaukee. I'll give them every attention that I give my own.

To the old-timers, I haven't much to say except that we youngsters are going to sneak off with a ribbon here and there just as we did at Milwaukee. We are, however, planning on you being there with a good string to help talk White Rocks to the visitors and members, and nothing short of your best effort will do. We expect Frank Davey to tell us how he does it year after year. We want to know the same thing from Mrs. Ranken and all the rest of those who have fought it out at the Garden these many years.

If you haven't sent for your premium list, be sure to do so right away as entries close, I believe, on December 16. I am not sure about this date. For your copy address D. Lincoln Orr, Secretary, Cornwall, N. Y.

In the meantime, I would appreciate it if you would drop me a card if you plan to exhibit, or if you plan to attend. We are expecting you.

The Last Word

Don't forget to send in your dues to the national secretary. I made up my mind when I took over this secretary job that the club was going to keep on the right side of the ledger. It has. On the other hand, it was my idea, and approved by the club, that we should spend every bit of the money on White Rock promotion. This has been done. So now, with expenses just a little heavier than usual, we've just got to have more dues paid which are now past due. If all the members will come forward now, the danger of a deficit would be null and void. Two dollars, for your 1931 dues, is only a small amount, but if I have to dig down in my pocket to meet the printing bills, it is going to be just too bad for me.

A Beautiful Home and Beautiful Rocks

Up at Lake Mills, Wisconsin, we ran on to George Greenwood. He was very much interested in showing us his Barred Rocks. Here at this delightful home which sets on the peak of a hill overlooking the beautiful lake, we found a flock of Barred Rocks that were just humping. They had quality showing all through, and we will miss our guess if these birds do not make a lot of people feel about them just as we did when looking them over. Mr. Greenwood is a breeder, and has made a national reputation as such.

Columbian Rocks

"All set, and all ready to go," says William W. Engel of Strasburg, Illinois, of his old time flock of Columbian Rocks. Mr. Engel has been showing for a number of years, and has been making much progress. We expect to see him take in some of the big ones this year, as he is a real poultry enthusiast.

PLYMOUTH ROCK AWARDS AT UNION COUNTY FAIR

El Dorado, Ark., Oct. 5-10

Dark Barred—Fairview Poultry Farm: 1-5 cock, 3-4-5 hen, 3-5 cockerel, 1-2-3-4-5 pullet, 2-3-4-5 young pen, 2-3-4-5 old pen. Hotel Noble's Farm: 2-3-4 cock, 1-2 hen, 1 young pen, 1 old pen. Mrs. George Leek: 1-2-4 cockerel.

Light Barred—Hotel Noble Farm: 1 cock, 1-2 hen, 1 cockerel, 1 young pen.

More than thirty species of external parasites may infest poultry.

Heavy Laying · Exhibition WHITE PLYMOUTH ROCKS



L. H. HARVEY

Combined Standard and Production Bred White Plymouth Rocks, exclusively. Official Records up to 249 at Storrs and Illinois Egg Laying Contests. Winners at Milwaukee and Chicago Coliseum Poultry Shows. Bred for Egg count, Egg size and uniform Standard quality. Pedigreed and Trapnested.

BABY CHICKS AND EGGS FOR HATCHING

Will have a limited number of Baby Chicks and Eggs from best pens of Carefully selected Hens with official records 197 to 249. Tested for B.W.D. no reactors.

Send for Free Catalog and 1932 Mating List

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GLEN ELLYN, ILLINOIS

MAPLESIDE BARRIED PLYMOUTH ROCKS Layers Supreme—Trapnested Continuously 24 Years

A Real Money Making Strain of America's Most Popular Farm Fowl

Mapleside Barred Rocks are honest high-egg production quality. We devote all our time to breeding them exclusively. No loud claims, but they've been winning egg contests for customers regularly for 10 years. Bred for heavy laying, large eggs, uniformity of body weight and quick feathering. Hundreds of farmers have found real profits this winter with our Rocks. You will like them, too.

Discount for Orders Now — Chicks-Eggs-Breeders

We offer a Big Discount for orders placed this month. Delivery any time you want during season. Satisfaction guaranteed. Send for our FREE Catalog.

Reference: The Lincoln State Bank.

MAPLESIDE POULTRY FARMS

TRADE MARK REG. U.S. PAT. OFFICE

R.F.D. No. 4-M, LINCOLN, ILL.
Located 2 miles west of Lincoln,
just off Highway 120-121.

Hall's Chicks

Leghorns-Reds-Rocks-Wyandottes

A Sensation for Broiler Raisers! We've been doing a lot of experimenting on CROSS BRED CHICKS. We wanted a new chick, solely to make more broiler money than any chick ever before offered. We have it now!

HALLCROSS BROILER CHICKS

will bring the highest market prices, with a rapid and uniform growth hitherto unknown. Write for details and prices. Regular breed chicks also.

HALL BROS., Poplar Hill Farm

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Wallingford, Connecticut

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Strong, healthy breeding stock produced on free range. Bred for exhibition as well as egg production. All stock bloodtested. Livability guarantee on chicks.

CONTEST RECORDS UP TO 301 EGGS

LAYING CONTEST AND STATE FAIR WINNERS

The past season I won 1st White Rock pen at Georgia National and New York State Contests, 2nd at Michigan and 4th at Storrs.

STRONG LIVABLE CHICKS — HATCHABLE EGGS

My flocks headed by pedigreed males from hens with records of 200 to 289 eggs will produce the kind of White Rocks you will be proud to own and if given proper care will prove highly profitable. Chicks each week starting December 28. Prices reasonable. Send for circular.

OSCAR W. HOLTZAPPLE, Box 70, Elida, Ohio



THE FINEST BARRIED ROCKS IN THE WORLD

At New Jersey State Show, November, 1931

COSH'S BARRIED ROCKS

won every prize and special competed for. This strain has won every prize on cockerels at such shows as MADISON SQUARE GARDEN, and if you want the best in Beauty-Eggs-Meat combined send your order here.

Cockerels to improve your flock, trios and pens to firmly establish you are here at the lowest price in years.

SPECIAL—Four \$10 (very fine quality) females and \$25 male for \$50. Both matings.

NEWTON COSH

BOX M

VINELAND, N. J.

YOU ARE INVITED TO SEND TO THE "PLYMOUTH ROCK MONTHLY" the names and addresses of your friends and acquaintances who raise poultry and who you think would be interested in this journal.

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Twelve varieties. White Leghorns a Specialty. Hatched from 23 and 24 oz. eggs and over. Pedigreed males head Hi-Quality flocks. Rigid culling and supervision by poultry expert, careful selection of eggs and chicks and proper incubation by experienced operator assure every customer LIVE-LAY and PAY CHICKS. Customers report less than extra chicks lost. April and May chicks producing over 60% eggs in November. Prices moderate. Circular free. Write. Increase your 1932 profits with Rupp's chicks. The Archbold Hatchery, Archbold, Ohio. 121X

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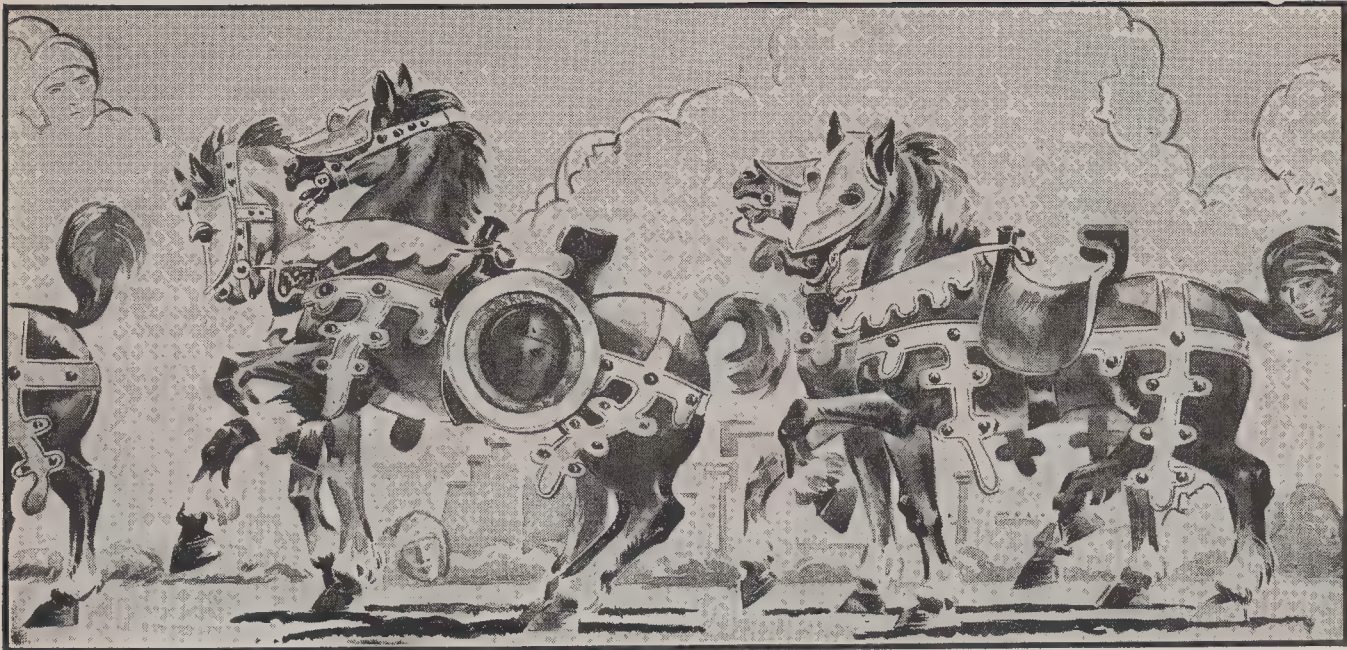
SHOW DATES

For List of Judges, Prizes and Other
Information, Address the Secretary

- Colorado**
Jan. 18-23—Denver, Colo.; W. C. Schuman, Secretary, 400 South Emerson.
- Connecticut**
Dec. 8-10—Sharon, Conn.; Arthur L. Kinsman, Secretary.
Dec. 18-19—Hartford, Conn.; H. M. Tucker, Secretary.
- Delaware**
Jan. 5-8—Milford, Del.; H. S. Palmer, Secretary, Newark, Del.
- Florida**
Feb. 2-13—Tampa, Fla., State Fair.
Feb. 15-20—Deland, Fla., Volusia County Fair.
Feb. 22-27—Orlando, Fla., Central Exposition.
- Illinois**
Dec. 1-3—Sheldon, Ill.; L. B. Warrick, Secretary, Sheldon, Ill.
Dec. 1-4—Palestine, Ill.; E. Bledsoe, Secretary, Palestine, Ill.
Dec. 1-6—Chicago Coliseum; Harvey C. Wood, Secretary, Board of Trade Bldg., Chicago.
Dec. 8-11—Sterling, Ill.; Geo. C. Beawick, Secretary.
Dec. 9-13—Cairo, Ill., State Show; A. D. Smith, Secretary, Quincy, Ill.
Dec. 16-19—Bloomington, Ill.; C. M. Cummings, Secretary, 108 Lincoln St., Normal, Ill.
Jan. 6-10—Quincy, Ill., State Show.
- Indiana**
Jan. 5-9—Kokomo, Ind.; J. Snyder, Secretary, Kokomo, Ind.
- Iowa**
Dec. 1-4—Corning, Iowa; Mrs. H. B. Harden, Secretary.
Dec. 8-5—Collins, Iowa; Mrs. Fred Mead, Secretary.
Dec. 7-11—Muscatine, Iowa; William Fisher, Secretary, Muscatine, Iowa.
Dec. 7-9—Manning, Iowa; R. H. Wheeler, Secretary.
Dec. 8-11—Boone, Iowa; A. J. Kading, Secretary.
Dec. 8-12—Malvern, Iowa.
Dec. 9-13—Dubuque, Iowa; Shelby Potter, Secretary.
Dec. 30-Jan. 2—Des Moines, Iowa.
Jan. 19-22—Rockwell City, Iowa; Roy Fisher, Secretary.
- Kansas**
Dec. 8-11—Ellis, Kans.; John H. Reed, Secretary, Ellis, Kans.
Jan. 11-18—Topeka, Kans., State Poultry Show; Thomas Owen, Secretary, Route 10, Topeka, Kans.
- Louisiana**
Dec. 12-13—New Orleans, La., Greater Orleans Poultry Show; L. F. Bender, Secretary, 8815 Apricot St.
Jan. 7-10—Baton Rouge, La.; Mrs. W. E. Hanks, Secretary, Baton Rouge, La.
- Maine**
Dec. 8-11—Portland, Maine, State Meet; H. M. Tucker, Secretary-Treasurer.
- Massachusetts**
Dec. 10-12—Springfield, Mass.; G. L. Colletter, Secretary.
Dec. 30-Jan. 3—Boston, Mass.; Chester I. Campbell, General Manager, 329 Park Square Bldg., Boston.
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Dec. 2-6—Winona, Minn.; C. Harvey, Secretary.
Jan. 4-7—Wadena, Minn.; Albert Lehmann, Secretary.
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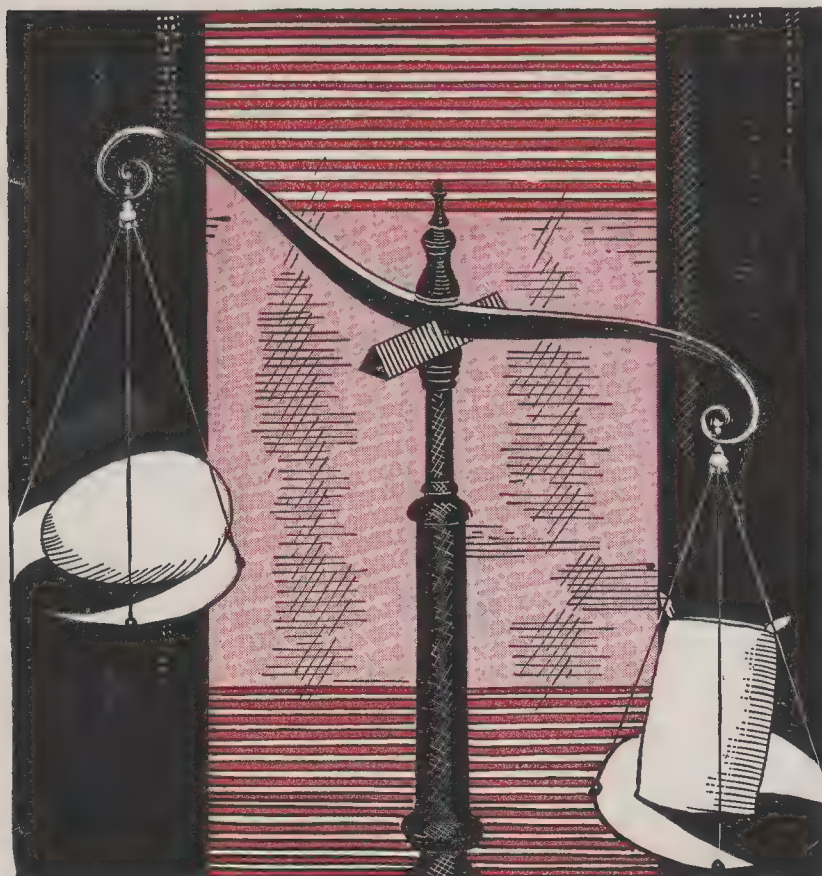
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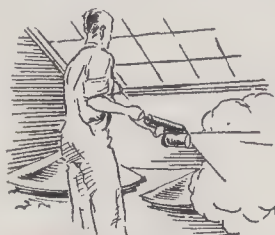
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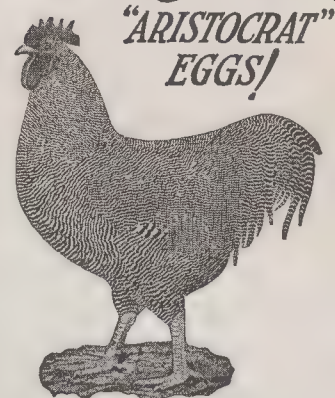
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GLEN ELLYN, ILLINOIS

A Reconstructive Force That Should Be Unburdened

HAS AMERICAN ENTERPRISE arrived at a point at which industry, if encouraged, might gather its resources for an upward swing? And could such an upward swing be accelerated and augmented into a general industrial revival?

Signs are not wanting that industrial activity, from a state of recession, is beginning to expand. The rate of re-employment is rising. Building construction shows increased activity. Money long hoarded is seeking sound investment. Prices, notably of agricultural commodities, are rising from distress levels.

It is not improbable that if the more rapid recovery of one great basic industry were to be sensibly fostered at this time, its revival might impart stronger life to related industries and thus quicken the beat of life in all American enterprise.

Looking back to the depression of 1921 for possible precedent, the effect on the revival of the automotive industry of those days by the elimination of the federal tax should provide food for thought.

It is true that America changed, in the succeeding four years, from open to closed cars, and industry, gathering momentum from the energy thus initiated, swept forward and upward to the peak of 1929. Are there factors now present which might be set in motion to create a similar revival in 1932? Let us examine the situation.

It has been carefully computed that the average life of a passenger automobile is seven years. In 1930 there were 23,042,840 passenger cars registered in the United States. Making allowance for multiple registrations and for cars scrapped and not replaced during 1931, it is safe to place 21,000,000 as the minimum number of passenger cars in operation at present.

Although one-seventh of this number must infallibly require replacement each year, about 2,000,000 passenger cars were sold in 1931. Were 3,000,000 cars to be manufactured and sold in 1932, what would be the effect upon the general health of American industry? An examination of automotive statistics provides more food—and considerable tonic—for stimulating lines of thought.

The automotive industry uses the following products in the given percentages of their total production:

Gasoline	85.0%	Malleable iron	53.0%
Plate glass	68.7%	Nickel	30.0%
Upholstery leather	51.4%	Lumber	18.0%
Lead	26.0%	Copper	14.8%
Aluminum	17.4%	Cotton	9.3%
Tin	14.1%	Zinc	6.5%
Rubber	82.0%		

Could the automotive industry but produce the 3,000,000 cars needed for normal replacement, 3,197,000 workers would be employed on full time in direct production, and an additional 825,000 full time workers would be employed in the production and transportation of the materials used.

The normal living requirements of the four million families here represented could not fail to give to industry and agriculture the same up-thrust as was imparted in 1921 and the years following.

Properly to gauge the force of this latent power, we must realize that automotive production has declined, roughly, one-third. Hence a restoration to normal would spell a 50 per cent increase over the present rate of employment of labor and consumption of products in that industry.

Moreover, a revival in the automotive industry would lift the strain of uncertainty from those now employed, encouraging them to make long-deferred purchases of necessities, the acquisition of which was not to be ventured with the specter of unemployment always present.

But there being no federal tax on automobiles at present, why are not normal car replacements made? The answer is simple. In the riotous years since the depression of 1921 up to 1930, state and local license fees and other automobile taxes have been increased 455.1 per cent to an annual average of \$39.40, in addition to the often burdensome gasoline sales taxes. The average owner now pays in taxes and fees, during the seven years average life of his car, nearly one and two-fifths times the average value of his car. This, in addition to his "gas tax."

It was hardly to be conceived that the proposal of the secretary of the treasury to assess a federal excise tax on new cars, averaging \$29.11, would find patient reception anywhere.

But the secretary may have inadvertently performed a valuable service in focusing attention upon the present condition of the automotive industry. When facts are thrust before us we are likely to examine them in detail. An honest examination of this industry with an eye to its possibilities for pulling us out of our slump, discloses a powerful potential factor for business revival to be overburdened for the task before it.

In a situation similar to the present, only a decade ago, the loosening from a small burden put this powerful agency effectively to the task of industrial revival. A like loosening of the heavier burdens of the present day would just as certainly free this willing monster to the task now at hand.

If commercial, industrial and agricultural bodies generally will but take up the fight now for a sensible reduction in the tax burdens borne by all classes of motor vehicles, the pent up pressure for car replacements will quicken and accelerate the upturn of industry and bring prosperity clear around the corner.

Instead of increasing taxes it will be better by far to cut government expenses—by the abolition or curtailment of many "bureau" activities—to the necessary extent, than to place this additional burden on industrial endeavor.

It may be advisedly stated that were nine out of ten of the federal bureaus to close up shop—and never reopen—the effect on the general welfare would be slight but distinctly favorable. Certainly the poultry industry could manage to worry along, for at least a few years, were the federal government sharply to reduce its activities, permitting the industry to digest and to apply the mass of material which research has developed in the field of poultry production and distribution.



**This Bird Got
INGREDIENT "X"**
Weighing a pound more and
laying a month sooner than
pullet on right. (Average of
Pen 10—Purina Farm.)

**This Bird Didn't Get
INGREDIENT "X"**
Weighing a pound less and
laying a month later than
pullet on left (Average of
Pen 4—Purina Farm.)

Ingredient
X
PROPERLY BLENDED
OR
SYN-CRON-IZED PROTEINS

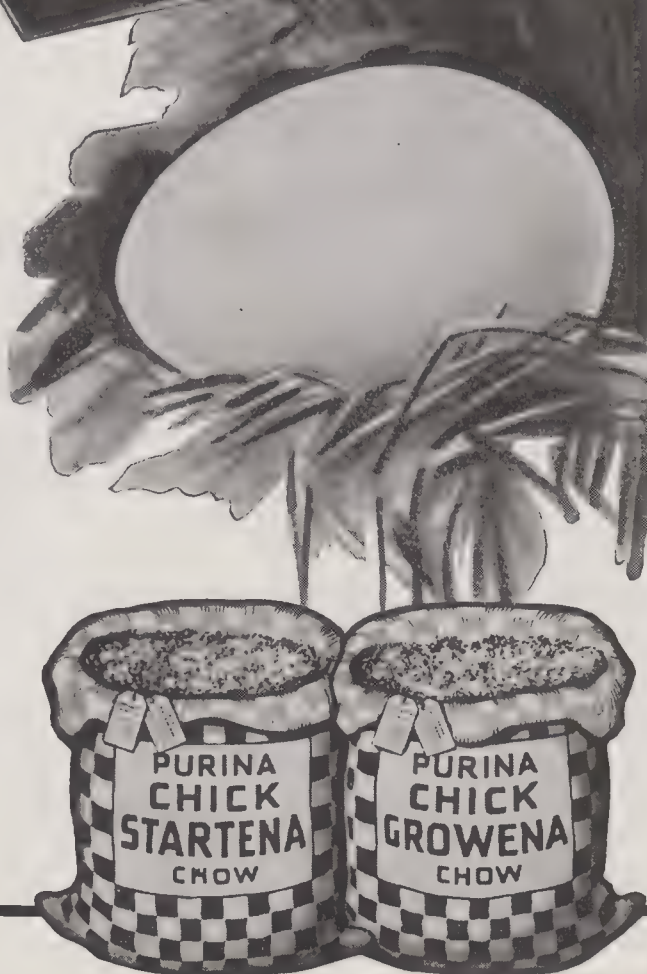
What Kind of Pullets Will Your Chicks Be?

BACK of your chicks may be the best breeding. Yet next fall they can be pullets either small in frame, under weight and still living off of you; or big framed, fully developed, laying and paying. Here on this page are birds typical of both types. They are of the same breeding and the same hatch—but what a difference at pullet age! Feeding made that difference. One got Ingredient "X" (properly blended or syn-cron-ized proteins). The other one didn't.

In this year of economy, cut short the unproductive period from egg to egg. See that your chicks get Ingredient "X" by starting them on Purina Chick Startena and growing them on Purina Chick Growena. Six years of experimenting at the Purina Laboratories and Purina Farm put Ingredient "X" in both of these feeds to give your chicks extra growth, extra feathering, and full development of the egg organs for early fall and all-winter laying.

Startena gets your chicks off to a flying start. Growena builds them big inward and outward. Your pullets will lay big eggs. They'll lay early and often at the time egg prices are highest!

PURINA MILLS
878 Checkerboard Square . . . St. Louis, Mo.



Batteries for Chicks and Hens

By H. C. KNANDEL, Pennsylvania State Agricultural College

WITHIN recent years, there has appeared on the market a new type of brooder known as the battery brooder. By the use of this type of equipment, it is possible to raise chickens from hatching time to maturity without allowing the birds on the ground.

As the colony brooder was a great step forward from the natural method of brooding chicks by the use of the old hen, so the battery brooder has increased the efficiency on some poultry farms.

What Are Batteries?

Battery brooders are to the poultryman what skyscrapers are to the folks in our metropolitan areas. Who was bold enough to have predicted twenty years ago that there would be constructed in New York City such a massive structure as the Empire Building rising 102 stories high? Who was there that predicted ten years ago that chicks could be reared successfully in tiers one above the other? Chick batteries are of various designs, but the general plan of construction is the same. The chicks are placed in relatively small areas usually not over 150 in a group. These chicks are required to stand on wire floors. The droppings are supposed to pass through the wire floors and drop on to pans or some other device below. The gauge of wire used for the floors is important since the larger the diameter of the wire, the greater the likelihood of the droppings to collect on it. The wire mesh floor should be of the proper size. For young chicks, probably $\frac{1}{2}$ -inch mesh is best, while for growing birds $\frac{3}{4}$ -inch mesh will be ample. The wire platforms on which the chicks stand should be removable so that they may be easily cleaned before the next brood of chicks is placed in the battery. The cleaning of the pans, which collect the droppings, is a laborious task. Recent developments in the construction of batteries have eliminated this undesirable feature by placing a roll of paper at one end of the battery underneath the wire platforms on which the chicks stand. Each morning, this paper is drawn through the battery, the droppings rolled within the paper and then discarded. Feed and water troughs are placed on the sides of the wire cages so that the chicks have constant access to feed and water. It is not desirable to extend the decks of the battery too high in the air, for by so doing, it is unhandy to take care of the topmost decks. We have found it quite desirable to have the batteries three decks high for the growing chicks which require more head room than the young chicks. For the young chicks, four decks are quite satisfactory.

M. H. Arndt in his book entitled "Battery Brooding" states that for each chick up to 3 weeks of age, one lineal inch of feeding space be provided; for chicks 3 to 6 weeks old, two lineal inches; and for chicks up to broiler age, four lineal inches. To brood the chicks successfully, it is

essential to supply heat. Some batteries are constructed on the principle that the room temperature in which the battery is located shall be maintained at a proper level. You can readily see the shortcomings of this arrangement since young chicks require more heat than older chicks. Under this system, all chicks must of necessity be of the same age. The poultryman might be interested in supplying his trade with a regular number of broilers each week and so the heated room idea would not be feasible. Other batteries have heating elements in certain compartments. Others have a hot water heating system installed and provide the chicks with a warm and cool room. If chicks of various ages are to be brooded in the same room, these principles should be followed: First—A satisfactory room temperature should be maintained. This should be somewhere between 60 and 70 degrees Fahrenheit. Second, the young chicks should have the opportunity of obtaining sufficient heat. This will require some sort of a heating device within the battery. Third, the older chicks must be raised in a battery which provides no heat, but the room temperature should be ample for the comfort of the fowls.

Not only is it important that sufficient heat be provided for the chicks, but the air in the brooder room should be as pure as possible. This requires some sort of ventilating equipment. With hundreds of chicks in a relatively small space with no means provided for ventilation, the air becomes foul and not conducive to best results. This, in brief, is the idea of battery brooders for chicks.

The question now arises as to what advantages are to be gained by brooding chicks in batteries. First: The primary reason for the development of chick batteries was to provide the hatcheryman with storage facilities in case he had a surplus of chicks. When an excess of chicks did develop, it was possible to place them in batteries and hold them for sale as 2- and 3-week-old birds. The demand for this class of stock has increased rapidly within the past few years. Some hatcherymen carried the birds for a longer period of time and disposed of the surplus chicks as broilers. This led to further developments in battery brooding, and out of which has come our present-day equipment.

Second: By raising chicks in batteries, less room and labor is required. The major costs in rearing chicks to broiler or to laying age are feed and labor. Have you not observed on many farms brooder houses placed about a field to provide ample range for the chicks? Have you ever thought how much time was lost in walking from house to house? By raising chicks in batteries until the age when they require no heat, the amount of time spent in caring for the birds is reduced to a minimum. After the

chicks need no heat, they may then be removed to range shelters.

Third: To provide heat for young chicks in cold weather is the third most important cost item in rearing young stock. Two thousand chicks may be successfully reared to broiler age in a 30x30 ft. house equipped with batteries. It would be impossible to rear that number on the floor in a similar building. More space would be required which would increase the cost of supplying heat as well as labor.

Fourth: In battery brooding no litter is required. This is a tremendous saving not only in the cost of the litter itself but in the labor required for cleaning. When paper is used to catch the droppings, the cost is further reduced.

Fifth: While the disease problem is not entirely eliminated, through battery brooding, nevertheless, there is less likelihood of infection from chick to chick through droppings. The importance of this cannot be over-emphasized.

Sixth: Battery brooded chicks are soft-meated, tender and juicy. They command a high price on the local and wholesale markets. This is of great value to the man who is interested in the production of high quality broilers.

There are, of course, some disadvantages in raising chicks in batteries, chief of which are poor feathering and comb development. The former can be practically eliminated by giving the birds sufficient room and maintaining a rather high humidity. Overcrowding and keeping the chicks in a room in which the air is hot and dry will cause the feathers to become dry and brittle. This leads to feather pulling and poor feather development.

Recent investigations at the Pennsylvania State College have shown that when a high percentage of bone meal is fed to chicks raised in batteries, a swollen hock often results. This condition for want of a name, has been called "hock disease." By the elimination of the bone meal from the ration, the disease is prevented. Evidently, confined chicks cannot assimilate the amount of calcium and phosphorous as can chicks on range.

Hen Batteries

Those who are in close touch with the poultry business throughout the country realize that mortality in laying flocks has increased tremendously during the past few years. Sickness has also been more prevalent and more culls are noticeable throughout the year. In the Toms River district of New Jersey, there are now thousands of hens being maintained for laying purposes in individual cages. The advantages of individual cages for hens are many. First, other fowls cannot come in contact with their droppings. This prevents worm infestations and other diseases. Second, fowls kept in individual cages suffer no loss from pickouts due to prolapses.

(Please turn to page 34)

Something for Nothing

How To Make Extra Money From Capons

By LOUIS A. STAHLER, River Forest, Ill.

AT THE first glance of the above headline, this would probably appear to the reader as some kind of "graft" or "racket," but we can prove to you very quickly that is a most legitimate method of making "easy money," and which has been practiced in all parts of the world by men and women for ages. We refer to the "art" or should we say "skill" of caponizing chickens for the purpose of increasing the quantity and quality of their meat for the table. Caponizing is nothing new and has been practiced for thousands of years with more or less success by poultry raisers in all parts of the civilized and uncivilized world. Some of the early methods were naturally crude beyond belief, others entirely wrong in their application, but here and there methods were developed which enabled even the unskilled to operate with fair success, and since the quality of the meat was so vastly improved by this simple operation, capons became the favorite dish of the "epicures" and "gastro-nomical experts." Thus an industry, that was born thousands of years ago, is this day a good paying business proposition for any one who cares to go into it. The market is there for all you can raise, the customers are waiting and willing to pay the highest prices for this delicious meat. You no doubt will ask, "Why don't more or every poultry raiser go into it if there is such a lot of money in it?" We will answer this question with, that poorly-designed capon-

izing instruments have been greatly responsible for the many failures, in that the birds bled to death on the operating stand and that too many "slips" resulted on account of their poor construction. Thousands of years ago the poultry breeders caponizing tools were his fingers and some extra long nails, and it stands to reason that 100 per cent perfection could never be obtained with such methods. Then came the Chinese with their simple, home-made tools of bamboo and they became the

world's best caponizers. The poultry breeder of today can obtain caponizing instruments, which rival in quality those of the best surgeons. Effectively designed, they enable him to do almost perfect work, and even though he be an amateur at it, he can learn to caponize successfully very quickly.

But let's go back to the title of this article, "Something for Nothing"—we mean just what we say and refer to the extra pounds of meat of the capon over other normal birds of like age and breed, that have been fed on the same amount of feed. Let us also consider the extra price that a capon will bring on the market, and which almost double that of ordinary fowls, then we must truly say, that many poultry breeders are losing a golden opportunity to make "easy money" and get "something for nothing."

What Is a Capon Anyway?

Just to show how poorly informed some people are on the subject of capons, we will quote here the words of one of the poultry magazine publishers. He told the writer, that every year he received quite a number of letters from people inquiring

where they could purchase "capon eggs" for hatching out capons. The great majority of people, of course, know that a capon



Arrow points to testicles fastened to the back.

is an "unsexed" or "castrated" male chicken. For ages it has been known that the quality of the meat of castrated animals was vastly superior to that of animals which were left in their normal state. It was found that the animals became more docile, less nervous and in consequence would fatten up more quickly and grow larger. The fibers of their meat were finer grained, too. Today, nearly every male animal whose meat is intended for human consumption has been castrated in its youth, and it is only necessary to glance over the Union Stockyard market quotations to notice the great difference in the prices between them and bulls, boars and rams.

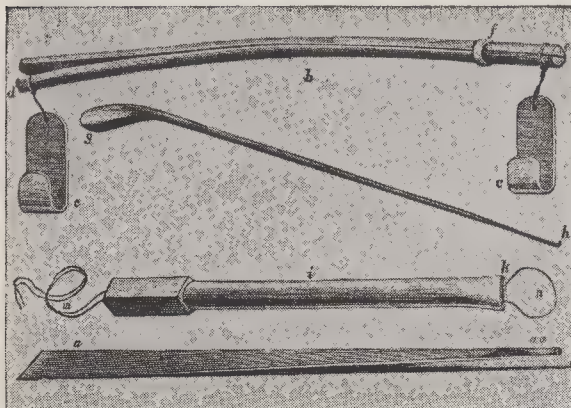
Ancient Methods of Caponizing
Caponizing has been practiced for ages



Two birds of the same age—one a capon, the other not. It did not cost any more to raise the large bird than it did the small one.



Just right to caponize.



Set of Chinese capon tools used in 1871.

and ages, and if we try to find out who really were the first people to practice it we most generally find the Chinese mentioned as being the original and most successful operators. From available data we find that their first tools were their fingers and the nails. In later years they made crude tools out of split bamboo, ratan and bamboo tubing in which a horse hair, fiber or some strong thread was rapidly pulled back and forth to sever the spermatid cord. In using these tools they laid the fowl on its left side with the wings folded back until they met. Then they would place one foot on the wings and the other foot on the legs to hold them down while they performed the operation. Gradually they improved these crude instruments and made them out of various metals which in later years became the original patterns after which the modern instruments were fashioned.

The following description and instructions for using Chinese capon tools appeared in the Practical Poultry Book by W. Lewis, published in 1871: "A knife, the edge of which resembles that of a chisel with bevel or slanting edge, half an inch in greatest width. The other end or handle consists of two forcep blades terminating at aa, in slender points forming spring forceps. The whole length from the cutting edge to the end of the pliers is about six

inches; cc, two broad hooks of silver or other metal, each half an inch in width and one and a half in length; b, an elastic bow six inches long made out of bamboo or ratan, about the thickness of a large quill and split horizontally in two pieces. To the end of this bow the two broad hooks are attached by strong cords about half an inch long (we presume half-inch play). At the end of d the cord embraces only the lower half of the split bow, whilst both pieces are included in the string. At the end, e, f is a small ring, which encircles both portions of the bow. When the hooks are first put in and only half the strength of the bow is required to act upon them this ring is slipped to the end e. But if the whole strength of the bow is needed to force the hooks apart the ring is passed towards the end. Thus by means of the split bow and sliding ring, the strain upon the hooks can be increased or slackened at pleasure. I is a tube of silver or other metal three or four inches long, made square at the upper and flattened at the lower end k, to the width of three-tenths of an inch. This tube is for the purpose of passing the fiber or hair ligature m, forming the loop n. G is a narrow curved spoon, the slender handle of which tapers off, and has a steel point fitted into it, furnished at the extremity with a small hook h, the inner edge of this hook is sometimes sharpened."

Sometimes two persons did the operating, one holding the fowl and the other using the instruments. We presume that this was perhaps the general method. Caponizing in France, Italy, England and Germany during the early part of the preceding century was most generally performed by the women of those countries. The method which they used was practically the same as used by the Chinese thousands of years ago. We are just wondering how successful they really were, what percentage of "slips" and "dead ones" they had when they got through. The procedure was practically alike in those countries. First they made a transverse incision, about an inch and a quarter long in the lower part of the belly. The forefingers were then introduced to take out the testicles and the spermatid cord cut with a pair of scissors.

The orifice was then rubbed with oil or butter and stitched up and the fowl cooped up for three or four days in a cool place to prevent inflammation.

Some of the earliest agricultural writers believed that all that was necessary to unsex a fowl was to cut off its spurs and comb.

(To be continued)

Next month Mr. Stahmer will describe modern caponizing tools and explain their use in detail. He will tell when to caponize, how to feed capons, where and how to market them, etc.—EDITOR.

Neuhausers' Master Breeding Farm of America



ONE of the biggest real estate deals ever made in this territory was announced recently when it became known that Neuhauser Bros. of Napoleon, Ohio, proprietors of the famous "Good Luck" Hatcheries, had purchased a magnificent 353-acre master breeding farm, located on M-50, seven miles east of Jackson, Michigan, and one mile west of Napoleon, Mich.

This master breeding farm of America is equipped with modern buildings, some 60 in all, including 54 poultry houses, 14x80, and 500 silver fox pens, the latter occupying a space of 60 enclosed acres.

The purchase of this farm is in line with a progressive program which the Neuhausers expect will result in a hatchery and fox farm of national scope of importance.

These boys started in the hatchery business on a most modest scale and in late years have seen their single hatchery spread into 23 branches covering well over the northwestern part of Ohio, into Indiana, Michigan and still on to Canada. They are making unceasing efforts to improve the quality of their chicks and this last farm purchase is one of the biggest steps toward chick perfection they have ever taken.

It is planned to stock the poultry houses with 15,000 laying hens of the very best bloodlines in America. They will further import stock from the internationally-celebrated Tom Barron Farms of England. In this magnificent flock there will be 20 different varieties, but about half of the birds will be big type English Leghorns and when the farm is fully stocked it can easily

be seen that this will be the largest poultry breeding establishment in America.

Cockerels from this farm will be distributed to all of their branch hatchery flocks so that by this mating even better quality than ever before will be found in the sturdy chicks which are now being sent all over the United States and Canada by the Neuhausers.

Just as soon as possible another Neuhauser branch hatchery will be located at their farm where chicks will be hatched from trapnested pedigreed stock.

The Neuhausers are also interested in the silver fox industry and they plan to move all of their valuable fur-bearing animals to this farm where the very last word in equipment and housing facilities awaits them.

Commercial Brooder Houses

By HAYDN S. PEARSON

SOME 20 years ago when I was about 10 years old, I went to see an old-timer who had been raising poultry for 50 years. He had kept around 500 layers, half yearlings and half pullets, for many years, and had made a good living. Each spring he set a bunch of hens and raised 250 pullets.

I spent lots of time with the old fellow, and learned a lot of hen lore. I had a small flock of poultry and was pretty proud of the money I was earning. Now incubators were getting to be common and the old-timer knew he'd have to make a change.

"Son," he said, in words to this effect, "when something new and better comes along, you've got to adopt it. If you fall behind the procession you're all done for. I've been raising chickens by the old setting hen for 50 years, and good ones, too. But now, we've got to have an incubator."

Think of those words a minute, "When something new and better comes along, you've got to adopt it! If you fall behind the procession, you're done for!"

I've been actively interested in poultry about 20 years. During the past two decades, we've all seen the poultry industry revolutionized. As a wise-cracker at a recent poultry meeting said, "The only thing that's the same today that it was in 1900 is the way hens lay eggs!" And they have to lay a lot more of them!

It's impossible to imagine a commercial poultryman raising his chicks by the setting hen. You don't find then keeping their layers in groups of 10 or 25 birds. You don't hear a poultryman say, "I won't give my hens dry mash, because it isn't a natural feed for them, and their gizzards will go to pieces"—that's what a man told me years ago.

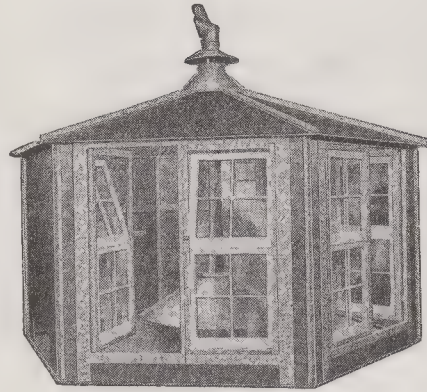
No, it's a new era today. And another one ahead. For ten years I've been preaching that poultrymen must be business men. Time was, not so long ago either, when anyone on a farm was sure of a living. But that day has gone forever. Efficiency has come to all phases of agriculture. The inefficient will be inevitably crowded out.

The margin of profit in the future will depend on two factors: low cost of maintenance and higher production.

The two highest items in the poultry business are feed costs, and raising the pullet replacements. In this article I want to deal with a factor of the latter: commercial brooder houses.

The late famous "Red" Richardson, who more than anyone else, is responsible for the great poultry revival in New Hampshire, was always preaching that poultry was a specialized business. "Put all your time and effort in that," he said. He didn't believe in monkeying around with half a dozen sidelines which distracted a man's attention from the main chance.

It all boils down to this horse-sense fact. If you keep profitable hens, the more hens you keep, the more money you'll make.



Put it this way. Next spring you've got to have a new brooder house. If you're like the vast majority of us, you'll be building it next spring just barely ahead of the season.

Figure this out with paper and pencil. Won't you be better off to buy two ready-made brooder houses, all ready to set up, and put your time to raising more chicks, or buying more day-olds? In other words, which are you, a carpenter or a poultryman? Every single minute you take away from your poultry keeping, you're neglecting the main thing. If you have time to be a carpenter, you're losing out on two or three hundred dollars profit you could just as well make from your business.

Here's a story that will illustrate the point. A young chap I know has been building up a plant for several years. He started correctly, with a sideline flock, kept his job, and increased each year his layers. Then he moved to a small farm of a dozen acres outside the town, and gave up his job. That year he raised 750 beautiful pullets. For two or three years he ran just about that number. He "made over" an old barn, built a couple brooder houses, and tried to run market gardening on the side. But he didn't get ahead as



he should. One day I was visiting him, and we got to talking over the point. We boiled it down to this. If he could run 1,500 layers, he'd be making a good living instead of just getting by. He was trying to be carpenter, poultryman and gardener. We laid out a plan of action.

He bought two brooder houses; got hold of a good incubator, and started more chicks. He put all his time into his poultry. A country carpenter put a third story to the barn. That fall he had 1,500 splendid pullets. Now he's making a good living. With the help of a man he runs 3,000 layers. He has a fine modernized home, a big car, and is establishing a reputation as a breeder.

Recently he told me, "If I'd tried to build those extra brooder houses, I'd never have had the nerve to hatch 3,000 chicks. That was the turning point for me. That string of brooding houses you see out there is responsible for what success I've made."

If you want to make money these days, you've got to do real business. Ask yourself this question: Couldn't I handle more layers than I am? If I bought a commercial brooder or two and raised more pullets, couldn't I increase my net profits? As "Red" Richardson preached, "Put your efforts into your real job!"

No commercial brooder company knows that I'm writing this article, and I don't sell brooders, so don't get offside. Those of you who read my articles in the poultry press, know that I preach business-like poultry keeping.

I find as I travel about, visiting poultrymen, that a good many of them have erroneous ideas about commercial brooders.

Consider the cost. Many poultrymen have said to me that they'd like to buy a brooder house instead of building one. Then in the next breath they'll admit they have never sent for a catalog and don't know what their prices are!

When you buy a brooder house, there's none of the fuss and bother you have to go through to build one. You don't have to figure materials, order the various things from two or three sources, haul them, and take a lot of time building it. All of this means valuable time that should have gone into the care of chicks or layers. When you buy a commercial brooder, all you do is order the brooder type that suits you. It comes in convenient sections and can be quickly put together. You lose little time from your real business.

Think these points over. We can't do business the old way—not if we keep up with the procession. Are you satisfied with your net income? If you had more layers, couldn't you take care of them if you gave all your time to the business? Can't you handle more chicks this spring?

The chances are, as in the case of my friend mentioned above, that commercial brooder houses will fit into an increased profit-making program for you.

The Diary of a Grand Champion

By "OLD MAC"

A Royal Puritan Barred Rock Cock Bird, Grand Champion of the Entire Show at St. Paul, 1932

THE Diary, printed below, purports to be the random reflections of a grand champion Barred Rock cock bird, written supposedly by this monarch of the Barnyard himself, but actually prepared by J. A. Schneider, manager of Royal Puritan Farms, Le Roy, Minnesota.

* * *

January 1, 1932—Well, this is the last day of the Big Des Moines Show. Some show, too, and the Barred Rocks led the parade by a city block and four miles thrown in. Just 259 of us Barred babies, all good ones—259—"no more, no less." Nineteen cock birds in line. I won first, but didn't that Hanson cock from South Dakota have me scared. That boy had the color—nice, blue, clean and a good chicken all through. The crowd seemed to be pulling for the Hanson bird, but Judge Stout slipped me the Blue with the explanation, "That first cock is a bird of substance. Look at that finished tail; that pair of sturdy legs, straight under his body; big, broad back and full breast; furnished to a queen's taste. He has the barring, too. A real Plymouth Rock in type and a rare color bird at that." Locker and Wallace had first cockerel, they tell me, with 46 cockerels showing. First cockerel was another bird of size, finish, and type. This man Stout is all fed up on these spindly, knock-kneed, listless color birds who have nothing more—chickens that have narrow bars and good color, but are lacking in vitality. To get by him, they have to be CHICKENS first of all. My boss says that Cleve is doing the breed a signal service, whatever that is. Mrs. Popham of Charleston, Illinois, won first hen on a screamer. The boss seemed to be tickled over that. He says that the Pophams are the salt of the earth and real sports. They breed good ones, too, as their annual wins at Chicago for over twenty years testify.

9:00 A.M. Same Day—Want to know how I came to write this diary? You know this man Ernst, the editor of the PLYMOUTH ROCK MONTHLY. He gets on the job pretty early for a white-collared guy. As soon as I laid my eyes on him the first day of the show, I said to myself I know that baby. He's been out to our farm in Le Roy and he was at the Chicago show. They tell me, he has button-holed more guys and asked them, "do you raise chickens," than any five men in America. Short, stocky, sort of good looking, black "caddy" hat, starched khaki duster, a big smile and all the time clapping his hands,—that's Ernst. To get back to the reason why I am writing this. He walks up this morning and says, "Well, Big Boy, how are you standing it? I've been trying to get that boss of yours to write an article for our Journal for the past months. Wonder

if you couldn't slip me a little 'dope.' Tell me how they take care of Barred Rocks at Royal Puritan Farms, how they feed and how they mate for results." "Okay, O. R.," I told him. So that's why.

11:00 A.M. Same Day—Judge Fred Shellabarger, that grand old man of Barred Rock fame, just paid me a visit. I could tell by the look on his face that he approved of me. The judge has bred them right for over forty years. He wants type, size, finish and vitality. His birds in this show have all of that, and then some.

1:00 P.M. Same Day—Did you ever see my boss in the show room? Great, big hulking sort of a fellow. Looks like an elephant and two horses. For a big guy he moves about pretty handy. Buzzes around like a bumble bee with a stomach ache. He talked to ten fellows at least, in the last ten minutes. Nothing could possibly be half as important as he seems to make it, waving his arms and talking with his eyes, head, hands and shoulders. Oh! well, he's no "Grand Champion," like I am, so what can you expect?

9:30 P.M. Same Day—Could you imagine anything funnier? Judge Harry Atkins, O. R. Ernst, and my boss up on the stage trying to pick Miss Iowa from a collection of ten bathing beauties? You see they held a beauty contest in connection with the poultry show, but whoever told those three old fossils they knew anything about judging chickens, much less those without any feathers on. Look at them strut around up there. Score card and everything. Ernst seems to regret the fact that his glasses aren't stronger and Atkins is certainly getting both eyes full. The boss looks lost, but seems to like it. They finally picked out a brunette, and handed her the fur lined loving cup. That good looking blonde, second from the end, didn't seem to like the judges' decision. Personally I voted for the dark one. I never get a chance to play around with the blondes. I'm a Dark Barred Rock myself, you know.

January 2, Enroute from Des Moines—Well, we're on our way home, somewhere between Des Moines and Le Roy. There certainly was plenty of interest shown in Barred Rocks at that show. The boss must have had a pretty good week of it, in spite of the bad weather. Noticed quite a few of our crowd are not going back home with us. One of our blondes, a Light Barred Rock pullet, went to Utah, a pen to Arkansas, a cockerel, hen and pullet to Indiana, a cockerel stayed in Iowa, and one took a trip to the shores of Lake Michigan in Wisconsin.

A Little Later, Same Day—Just had a little "shut eye." Sort of lonesome in this dark box, after all the excitement. Did you ever see a better bunch of fanciers

than that Des Moines crowd? I met most of them—real fellows, boys and girls alike. There was McCourt, Harry Atkins, Hazel Burkheimer, Bill Wienecke, that old timer who still knows how to lay them down, M. C. Stark, Judge Erle Smiley, that honest-to-goodness judge and boy orator from Nebraska, Peter Stevens of Moline, Wallace, Locker, good old Bill McMichael, Hawkins from Goldfield, a quiet studious sort of chap, who breeds birds that look good and lay well, Fred Shellabarger, the dean of them all, that youngster Charles Pinney from Council Bluffs, an enthusiast and a comer, E. C. Jewell from Nebraska, top-notch breeder, a fancier and a sportsman, the Ramseyer Brothers, Vern and Harry from Oskaloosa, and their poultryman, Maxstedt, Mac Master, Mr. and Mrs. Boulware, Judge Oscar Grow, nationally known as a fancier, judge and breeder of waterfowl and of Light Brahmas, Cleve Stout and that honest-to-god Dutchman Louis Stahmer, artist, judge, fancier and the king of story tellers—all of them interested in Barred Rocks and doing their bit more or less for our grand old breed. Talking of Louie Stahmer, the boss says he has entirely too many accomplishments and still be a Dutchman.

Later, Still Enroute—You know, I just can't get over how that Barred Rock crowd falls in a big way for Cleve Stout. He tells 'em and they like it. He knows his stuff and is as honest as they come. Everybody seems to like him and I know he is doing a lot of good for the breed.

January 3—Well, I am home and glad of it. I never could get used to those restaurant meals we have at the shows. Home cooking for me. I was up at the crack of dawn this morning and got the women folks off the roost. Must have got into lazy habits while I was gone. The old pelicans with me now are not my regular mates. Just a half dozen old friends, who have reached the sewing circle age. Kept us away from the young folks, had us on a different diet to keep us from getting too fat. Guess we get back to regular eating pretty quick. Generally do after the big shows.

7:00 A.M., Same Day—Here comes Jim, my caretaker, "step and a halving it," bringing us our small feed of good, plump oats. He kicks it under the straw and makes us work for it. Great exercise, and oats is a wonderful thing for us Barred Rocks and other chickens, for that matter. I'll have those old girls cutting off some of that excess avoirdupois. Jim brought us a nice warm drink, too. Boys, I feel good and it's great to be alive.

10:00 A.M., Same Day—Jim on deck again. You could set your clock by the way he attends promptly to each chore.

(Please turn to page 26)

facts

you'll want

to know about

THE NEW CHEVROLET SIX-CYLINDER TRUCKS

CHEVROLET six-cylinder trucks, already generally accepted as the most economical in America, now embody sweeping improvements in bodies and chassis, and are substantially lower in price. You can now buy them for as much as \$10 to \$65 less than last year's prices—even then among the lowest at which trucks are sold. You can choose from an even wider range of larger, stronger, and more handsome bodies, in three different wheelbase lengths—a model for every hauling need. You can count on even more power, more speed, greater handling ease, longer life and more comfortable driving quarters, for Chevrolet has strengthened, enlarged, and otherwise improved practically every part of these trucks. And you can still rely on Chevrolets for lowest fuel and upkeep costs. That, in general terms, is the story of Chevrolet's newest contribution to more efficient and economical hauling. Study the pictures and detailed descriptions at the right and you will learn exactly why the new Chevrolets are the most economical trucks in America—and the logical hauling equipment for your particular business.

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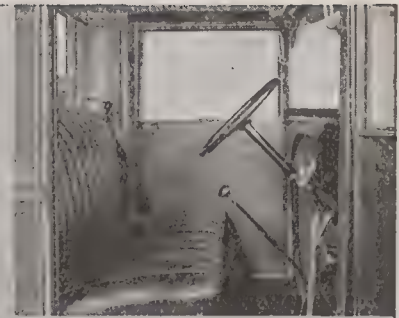
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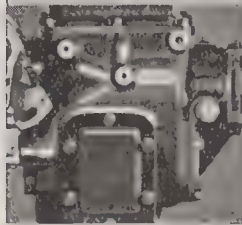
SIX-CYLINDER TRUCK-TYPE ENGINE

The new down draft carburetor, improved lubricating and cooling systems, counter-balanced crankshaft, harmonic balancer and many other advancements add to the power, speed, smoothness, economy and dependability of Chevrolet's special valve-in-head truck engine.



ROOMIER, MORE COMFORTABLE CAB

The new Chevrolet cab is larger. The all-metal roof is insulated, as is the floor. The wide, weather-stripped doors have plate glass windows. Equipment includes cowl ventilator, automatic windshield wiper and rear vision mirror. Driving comfort is assured in any weather.



4-SPEED TRANSMISSION

Chevrolet's 4-speed transmission, with its reduced gear ratios, provides extra pulling power. Six-bolt power take-off opening. Half-ton models have Syncro-Mesh shift.



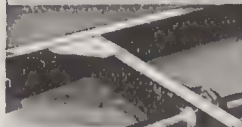
SPECIAL TRUCK-TYPE REAR AXLE

Chevrolet's heavy special truck-type semi-floating rear axle is larger and stronger in shaft, gears, bearings and housing. On the 1 1/2-ton models the gear ratio is now 5.43 to 1.



TRUCK-TYPE 4-WHEEL BRAKES

Chevrolet's large four-wheel brakes are equipped with special moulded linings to make them unusually powerful and effective. They are fully enclosed and weatherproof.



SPECIAL TRUCK FRAME

The Chevrolet channel steel truck frame now has an additional sturdy cross member, making six for the 157" model, and five for the 131" model.



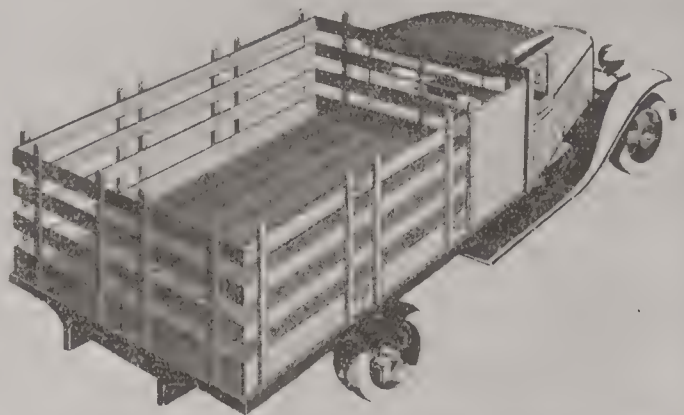
SEMI-ELLIPTIC SPRINGS

Chevrolet six-cylinder trucks have four long, heavy, semi-elliptic springs made of the finest spring steel obtainable, set parallel to the frame.



TRUCK-TYPE CLUTCH

The clutch on the 1 1/2-ton models is simple in design—and fully capable of handling Chevrolet's increased power. Gentle, easy pressure operates it.



1 1/2-TON 131" STAKE

Load space: 105 1/2" long, 81 1/4" wide, 42" high. Heavy 1 1/4" floor supported on 6 steel cross-sills. Steel skid strips. Pressed steel stake pockets welded in beaded angle iron rub-rail. Steel-covered bumper on rear of platform. Many color combinations. Price **\$725**

CHEVROLET SIX CYLINDER TRUCKS

For April—Let's Not Forget

By MRS. GEO. B. SIMMONS, Marshall, Missouri

Keep Things Clean!

Other months when we say to keep things clean, it may not mean as much as in April, when there are the poultry houses to be kept clean, and the incubators and the brooders and the brooder houses, so this month we surely must head our list of things not to forget, with this very one—Keep things clean! It is not enough to clean up but we must keep everything clean, if we are to succeed.

See What We Can Learn

We never learn it all, and a season would surely be wasted during which we might learn nothing. It would not be so hard to learn to run our brooders and manage brooding our baby chicks, if we could have a certain kind of weather steadily, but days of sunshine and warmth may merely spoil us and the chicks, too, for sudden squalls of bad weather and unexpected storms of rain, or dreary days when to look out of doors is to want to shiver. Keeping the chicks comfortable during times like these is the problem and to learn to solve it well, day after day, is to learn more about insuring positively satisfactory results than we have known before. After all, if we had to sum the recipe for success with baby chicks into one short sentence, it would be—keep the chicks comfortable. All we can learn about how to do this all the time is most valuable. During the cold nights, coal-burning stoves may need an extra filling, for the wind can pull a lot of smoke up through the stove-pipe and leave the chicks shivering long before the dawn.

During cold days, a small fence of hardware cloth or poultry netting around the outer edge of the hover, out from 18 to 24 inches from the hover, with sacks hung over it to break the wind away, is fine to help keep the chicks warm, and plenty of warm litter on the floor can also help. If you use wire floors, lay sacks on the wire at night and during cold days, for the first week or two, to help in maintaining comfort.

Buy Stoves and Brooders with Enough Capacity

It is always a temptation to save a dollar or two by buying smaller stoves or building the brooder houses not quite large enough for the chicks you want to try to raise, but it is a costly mistake. I never advise getting less than a 1,000-chick size brooder stove, except in the case of tiny brooders for from 25 to 50 chicks. If a brooder stove is to be used in a brooder house, you will likely need the extra heating capacity of the larger burners in colder weather and if it is a good stove, it should be adjustable down to a very low flame for warm weather. It is good emergency insurance to have that extra heating ability, and often as the chicks grow older, the larger hover is helpful. I believe this is wise with electric brooder stoves as well as with oil-burning ones, and I suspect that electric brooding will be the rule of the future as fast as current can be made available on farms.

The reason so many buy stoves too small and build houses lacking enough capacity is because they do not stop to realize that both stoves and houses are rated upon their day-old capacity. But day-old chicks soon double and triple their size and before they can get along without heat they may weigh more than twelve times as much as they did when they were hatched. All this time, too, they need enough brooder house room to take care of them on days when they cannot run outside. Even at the lowest prices, it does not take many two-pound broilers to pay the difference between a stove too small or a house too small, and the sizes you really need, and since first cost is all, it does pay.

The Chicks Will Tell You

You do not need a lot of charts and guides for knowing whether or not the chicks are comfortable. They will tell you. If they are too cold, they will huddle together and cheep as if in pain and despair. If they are too hot, they will sit or stand with their beaks open and pant. If they are hungry or thirsty, they will chirp and

"howl their heads off" until their wants are satisfied. But if they are comfortable, they will be busy and quiet. You need not worry, if you are even the merest beginner, about not knowing about how your baby chicks are. They will make it perfectly clear to you, unless you just go off and forget all about them.

Cull and Cull and Cull Some More!

During April we need to cull eggs, to have the best for hatching. We must cull baby chicks so that we put out only the best and then watch them and keep on culling. It may not pay to kill what look like culls to us, because they do not grow along with the best in the flock, but it will pay to mark them and market them as broilers, rather than to risk keeping them in next season's flock of breeders. Besides, we need now to begin culling out the hens, so that summer will not find us with any unprofitable ones left to be fed for nothing.

(Please turn to page 14)

Joe Parks, Master Farmer

"Joe Parks," the well-known Barred Rock breeder, of Altoona, Pennsylvania, one of the country's foremost poultrymen, was signally honored on January 21 when he was presented with the gold medal representing the Master Farmer Award of Pennsylvania.

In selecting "Joe" as one of the master farmers for 1931, an honor richly deserved came to this poultryman. It should be remembered that among the numerous items that are used to make up the master farmer score card are the following: 1. Operation of farm. 2. Business methods and ability. 3. Farm appearance and upkeep. 4. Home life. 5. Community life and citizenship.

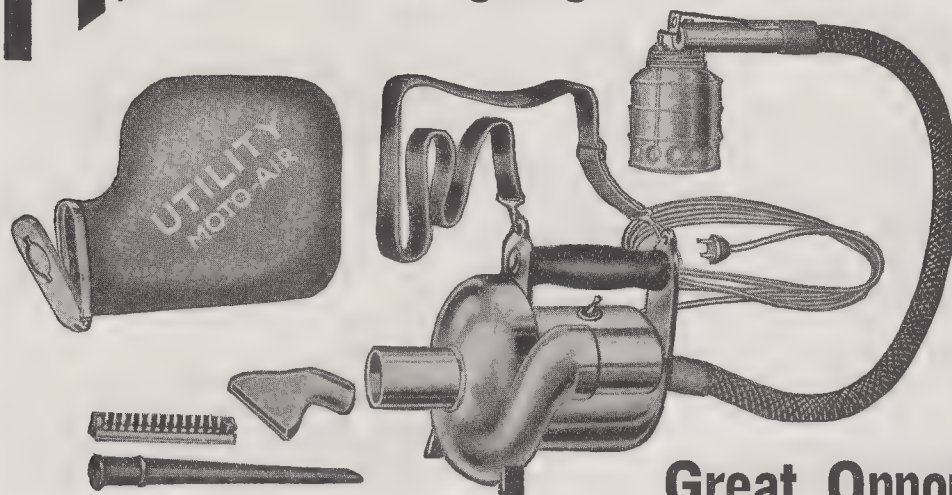
Poultrymen far and wide who have had the pleasure of personal acquaintance with "Joe" Parks have known of his ability along poultry lines and it is doubtless with keen satisfaction that they learn of the all-around life of helpfulness which goes to make good citizens and which has been one of the accomplishments of "Joe" Parks.



Half of our summer range houses, where Parks Bred-to-Lay Barred Plymouth Rocks are reared to be as strong and rugged as the mountains which surround them.

MARVELOUS INVENTION

Waging a War of Extermination Against Pests and Parasites



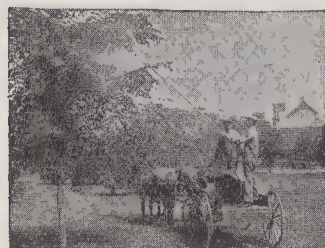
A COMBINATION DEVICE WITH A MULTITUDE OF USES—WILL SPRAY YOUR CHICKEN COOPS, CATTLE BARN, HOG PENS, HORSE STALLS—WILL FREE YOUR ANIMALS OF MISERABLE LICE, FLEAS, FLIES, AND GNATS.

A NEW METHOD OF CLEANING INCUBATORS, VACUUMING YOUR CARPETS, RUGS AND UPHOLSTERING—SUPPLIES AN AMAZING METHOD OF PAINTING HOUSES, BARN, ETC.; REFINISHING AUTO FENDERS, MARRED SPOTS AND SCRATCHES, PAINTING RADIATOR CORES, AND CAN BE USED IN MANY OTHER WAYS.

Great Opportunity—NOW!



Contented Cows Yield More Milk



Orchard Spraying a Necessity



Disinfect Your Poultry House

**\$1000.00
BONUS OFFER**

Don't let someone else in your county beat you to it.

Get this marvelous device for your own use and as a demonstrator. We will make it worth while for you to show this great invention to farmers and stock raisers in your county. We will show you how to make big money by recommending it to your neighbors.

You can also make big money through use of this great scientific development by helping farmers, fruit growers, chicken and stock raisers, to perfect their cleaning systems.

We will help you get into the business of spray painting, insecticide spraying, protection and preservation of gardens, orchards, cabbage and onion fields.

We have a big generous proposition for you if you can send us the names and addresses of a dozen or more chicken and stock raisers, fruit farmers, truck gardeners or dairy farmers.

Every farmer and stock raiser is a live prospect for one or more of our several types of specially constructed, revolutionizing devices for adding to the earnings as well as to the conveniences of farm work.

Our equipment can be used on all farms, whether they have electricity or not. Our devices are absolutely foolproof—can be used by any man, woman or child.

Distributors Wanted—Here Is Your Chance!

\$50.00 to \$100.00 WEEKLY—for your spare time

We will circularize the names you send us and pay you big profits on all the orders received through your personal co-operation.

You can send us up to 100 or even 1000 names if you wish—no limit—we will supply catalogs for all of them and you can collect a handsome profit on all orders for our entire line.

Prospects Everywhere

Every man and woman connected with any kind of farming and stock raising is a prospect for a big profit to you. You won't need to hunt for prospects—you won't have to force the interests.

Big Commissions—Easy Sales

The big commissions and profits to you, on all sales made through your co-operation, will amaze you. This proposition is a cinch—No forced selling—Farmers of every kind buy quickly and willingly without being forced.

Get Started at Once

The season is here for pushing our line. The big business will be at its height before very long. You should immediately have all details without unnecessary loss of a single day. The big rush lasts all summer for our specialty line.

When fall comes we will have another tremendous line of winter work for you. We offer you the possibility of adding \$5000.00 to your regular yearly income without interfering with your regular work.

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Portable Outfits for Greenhouses

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Without any obligation, please send me full details about your great invention and how you can help me get into a big paying business without investment—also how I can qualify for your \$1000 bonus in addition to building a big weekly income.

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Raise 'Em All! CHOLERINE Starts Chicks Right!

KEEP HEALTHY CHICKS FIT by adding CHOLERINE to their drinking water. This safe, health-building Iron Tonic prevents disease—destroys intestinal infection and heals membrane lining. Play safe—don't take chances, use

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FOR POULTRY

CHOLERINE is supplied in liquid and tablet form. Results from either are identical. 16 oz. bottle, 65c; qt. bottle, \$1.00; 50 tablets, 50c; 120 tablets, \$1.00; 250 tablets, \$2.00. **SAVE SICK CHICKS.** If dreaded white diarrhoea, or bowel trouble, has appeared—if chicks are dying—save them with **GERMO CHICK DIARRHOEA TABLETS**, 50 tablets, 50c. **SEE YOUR DEALER FIRST.** If he cannot supply, order direct. Send check or P. O. money order covering shipment. We pay postage.

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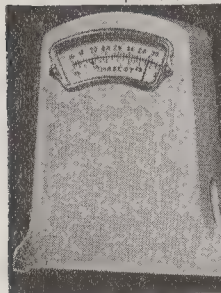
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No Loose Weights,
RATTLING PARTS,
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Double graduation.
16 to 32 oz. per doz.
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VITA BRAND COD LIVER OIL.

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A money-maker for poultrymen.

Write for prices and name
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"Pioneers in Vitamin-tested Cod Liver Oil"

HARMS CHAMPION WHITE ROCKS

First Prize winners and Best Display, Chicago Coliseum, Omaha, Nebr., Detroit, Mich.

Hatching Eggs—6 Special Matings

Group A—Pens 1-2-3-4, \$10.00 per 18 eggs.

Group B—Pens 5-6, \$5.00 per 18 eggs. If

taken from the two groups as gathered,

\$7.00 per 18 eggs. Special Grand Selected

Range Mating, \$9.00 per 100 eggs. Guar-

antee satisfaction on all eggs ordered. Write

HARMS BROS., Rt. 3, Forrest, Ill.

FOR APRIL—LET'S NOT FORGET

(Continued from page 12)

It pays to cull and once you have made up your mind to cull, you will be interested in the ways you can learn that will help.

Look to Your Incubator Thermometers

Even if the chick can announce its discomfort, the egg cannot, and many a hatch has been lost or made worthless, because of a poor thermometer. For a dollar or less, you can buy a physician's thermometer and you can test your incubator thermometer alongside it in barely warmed water. If the incubator thermometer is not accurate, a new one can be bought for around 75c.

Buy Good Feed

Baby chicks need good, fresh feeds. Take your nose along when you buy feeds, whether you buy them ready-mixed or buy the ingredients and mix your own. Be sure they are fresh and free from mold. The baby chicks do not eat much, and it pays to have what they do eat be of the best.

Don't Despise the Old "Settin' Hen"

Some of our greatest fanciers have been positive that you could not raise show birds in a brooder, and whether or not they are right, it does no harm to set a few hens and let them hatch and brood chicks from some of your best eggs. Man-made inventions are marvelous, but there is something about an old mother hen with her brood out on the springtime grass that satisfies.

SILVER PENCILED PLYMOUTH ROCKS

By HARRY H. COLLIER

Silver Penciled Plymouth Rocks are one of the prettiest fowls that is pictured in the American Standard of Perfection. This fowl gets its color scheme from the Dark Brahma, which was one of the finest looking fowls that came in the Asiatic varieties. There was a good deal of prejudice against feathered legs and that is the reason why the new varieties were made in the Plymouth Rock family.

Where the White Plymouth Rocks were the second variety to be built on a Plymouth Rock frame, followed soon after by the Buff Plymouth Rock, the new varieties have all taken their color scheme from the Asiatic varieties. The Buff Rocks were no doubt created from an infusion of Buff Cochins into the White Rock family, and, without doubt, the White Rock came from the Barred Plymouth Rock variety. Like a white blackbird. The Barred Rocks were bred much lighter in color in the early days of the Plymouth Rock family's great popularity. The males running very light and the females very broad in the barring. The Barred Rock of today is a narrow barred fowl and owing to making virtually two families of the present Standard fowl, has caused extreme matings and as a result, many of the males in the Light lines come nearer white than barred.

There is no coloring so delicate as the Silver Penciled Plymouth Rock. The markings in males being very similar to those of the Brown Leghorn, the color being white and black instead of red and black.

Wonderful Success In Raising Baby Chicks

Mrs. Rhoades' letter will no doubt be of utmost interest to poultry raisers who have had serious losses in raising baby chicks. We will let Mrs. Rhoades tell her experience in her own words:

"Dear Sir: I see reports of so many losing their little chicks, so thought I would tell my experience. My first incubator chicks, when but a few days old, began to die by the dozens. I tried different remedies and was about discouraged with the chicken business. Finally I sent to the Walker Remedy Co., Waterloo, Iowa, for a box of their Walko Tablets to be used in the drinking water for baby chicks. It's just the only thing to keep the chicks free from disease. We raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."—Mrs. Ethel Rhoades, Shenandoah, Iowa.

Danger of Infection Among Baby Chicks

Readers are warned to exercise every sanitary precaution and beware of contaminated drinking water. Baby chicks must have a generous supply of pure water. Drinking vessels harbour germs and ordinary drinking water often becomes contaminated and may spread disease through your entire flock and can cause the loss of half or two-thirds your hatch before you are aware. Don't wait until you lose your chicks. Use preventive methods. Give Walko Tablets in all drinking water from the time chicks are out of the shell.

Never Lost One After First Dose

Mrs. C. M. Bradshaw writes: "I used to lose a great many of the little downy fellows, tried many remedies and was about discouraged. As a last resort I sent to the Walker Remedy Co., Dept. 462, Waterloo, Iowa, for their Walko Tablets for use in the drinking water of baby chicks. I used two 50c packages, raised 300 White Wyandottes and never lost one or had one sick after using the Tablets and my chickens are larger and healthier than ever before. I have found this Company thoroughly reliable and always get the remedy by return mail."—Mrs. C. M. Bradshaw, Beaconsfield, Iowa.

You Run No Risk

We will send Walko Tablets entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is when used in the drinking water for baby chicks. So you can satisfy yourself as have thousands of others who depend on Walko Tablets year after year in raising their little chicks. Send 50c for a package of Walko Tablets (or \$1.00 for extra large box)—give it in all drinking water and watch results. You run no risk. We guarantee to refund your money promptly if you don't find it the greatest little chick saver you ever used. One of the oldest and strongest banks in Waterloo, Iowa, stands back of our guarantee.

**WALKER REMEDY CO., Dept. 462
Waterloo, Iowa**

The Light Brahma is more of a Partridge in lacing, while a Brown Leghorn female is stippled in its color markings, instead of being laced. In the old days the Dark Cornish carried the beautiful lacing and the type of the old day Cornish, is not as good as it is today. But the markings were far better, in the days of old Adam Thompson, who made Dark Cornish color famous.

The trouble with too many poultrymen is they are like men in fashions. What one man wears, another man demands. The same kind of hat, the same kind of style in clothes and somber colors dominate all man's apparel. It's different with women. If a millinery shop should bring out a hundred hats of the same style, that merchant would go into the hands of a receiver in one short season, provided he had his store in a small town. But he can buy men's hats, all of one color, one style and sell them.

If the Plymouth Rock breeders would take up the different breeds of Plymouth Rocks and show them at the poultry exhibitions, there would soon be a big demand for all the different varieties. In all the shows, you see a good string of Barred, a sprinkling of Whites and sometimes a few Partridge, a few Columbians and very few Buffs. Of all the fairs this season that I attended, there were three breeders of Buffs, one breeder of Silvers and not one breeder of Partridge Plymouth Rocks, and Columbian Rocks at only one fair.

In looking around the fair I could count hundreds of men with the same kind of hats but in all of the big shows, I do not remember seeing two women who had the same style hats and few of them the same color. If there be a craze like the "Lindy" coat, then you will see every woman, either wearing one or driving her husband to distraction until he gets her one, but she would not think of wearing a hat that was worn by her cook or her maid.

What we need is more variety in the poultry show and color makes the variety. If we could have ten breeders of each variety of Plymouth Rocks, in each show and these ten breeders would average ten fowls, the same as we find in Barred Plymouth Rocks and Rhode Island Reds, we would have ten times the interest in our shows and get ten times the gate receipts.

In the big classes like the Barred Rocks and Rhode Island Reds, there is where the interest centers, but on the other hand, the fellow who likes to see blue ribbons on his coops, stands one show in six exhibitors, as there are only six blue ribbons offered in his class. Let ten breeders come out and he has one chance in ten to get one of the six ribbons and some old-timer comes in and takes all six, leaving nine disappointed exhibitors.

If more people would take up the Penciled Plymouth Rock, they would soon create the same interest in their breed and variety as is found in the Reds and Barred Rocks.

With the White Leghorn being so widely bred, one would expect to find that variety dominating the poultry shows but of late years, since the three hundred egg is the thing mostly talked in the White Leghorn,

(Please turn to page 34)

Results Count!

For 15 years C.A. Teele has used Conkeys Feeds!



Vi-tal-ize
all your feeds
with Conkeys



Conkeys Y-O is a powder containing yeast and cod liver oil, rich in Vitamins A and D of cod liver oil and B of brewers' yeast. Just mix 2% of Conkeys Y-O with your regular feed and watch results. You'll be surprised! Write for prices.

Don't break the Conkey Chain

Start your chicks with Conkeys Buttermilk Starting Feed. When 6 weeks old, change gradually to Conkeys Gecco Growing Mash, and, finally, shift to Conkeys Gecco Egg Mash. You'll insure rapid growth and lots of eggs.

"Chicks live, grow fast, and no breakdown . . . What more can be expected?" writes Mr. Teele

No mincing of words when Mr. C. A. Teele tells of his experience with Conkeys Starting Feed. Mr. Teele is owner of the Teele Suburban Poultry Farms, 219 W. 10th Avenue, Columbus, Ohio. His convincing letter follows:

"Results are what count. After a close check-up for over fifteen years on Conkeys Buttermilk Starting Feed . . . here is the result: Satisfactory livability of chicks, rapid growth, and no breakdown. What more could be expected? Our customers, too, are well satisfied with your starting feed, your all-mash chick ration, your growing mash, as well as your laying mash and scratch grains."

Conkeys STARTING FEED with Y-O

THE ORIGINAL BUTTERMILK STARTING FEED

Conkeys contains all the elements that baby chicks require, including an abundance of buttermilk, as well as milk albumen, meat meal, etc., scientifically balanced and blended. No mixing or guesswork. It keeps the bowels open and the digestive tract in a healthy condition.

Vitalized with Y-O! Conkeys is the only starting feed that comes already vitalized with Y-O, a product rich in the B vitamins of brewers' yeast and the A and D vitamins of cod liver oil. The elusive A and D vitamins are held secure by Conkeys special patented process. Conkeys is the proven, safe, successful and complete ration. Try Conkeys today. If your dealer cannot supply you, write us.

THE G. E. CONKEY CO.

6703 Broadway Cleveland, Ohio
Mills: Cleveland, O.; Toledo, O.; Nebraska City, Nebr.;
Dallas, Tex.

Gentlemen: I am interested in the following that are checked: (474)

- | | |
|---|---|
| <input type="checkbox"/> Free Poultry Book | <input type="checkbox"/> Gecco Egg Mash |
| <input type="checkbox"/> Buttermilk Starting Feed | <input type="checkbox"/> Conkeys Y-O |
| <input type="checkbox"/> Gecco Growing Mash | <input type="checkbox"/> Remedy for |

Name.....
Address.....



WORM CAPSULES

For CHICKENS and TURKEYS

One C-A Capsule Kills Both Large Roundworms and Tapeworms

EASY TO GIVE—QUICK ACTION—EFFICIENT—NO LONG, COSTLY SETBACK—LOW COST

Parke-Davis C-A Capsules at your dealer

FREE Send for **ILLUSTRATED WORM BULLETIN No. 661**
Practical — Scientific — Helpful
Address Desk C-57-D

Animal Industry Dept. of
PARKE, DAVIS & CO.
DETROIT, MICHIGAN

Kansas R.O.P. WHITE ROCKS

Trapnested — Pedigreed — Bloodtested

EGGS

Group I (Records to 290) \$7 per 15. Group II (R.O.P. trapnested flock) \$7.50 for 108.

CHICKS

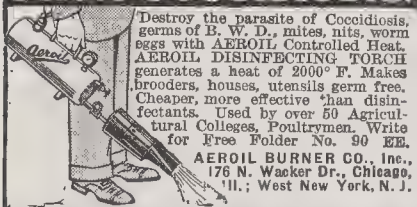
Group I, 35 cents each and up. Group II, \$15 per 100.

Young Cockerels and Pullets

8 weeks old wingbanded stock, either sex, selected, \$1.00 each—and up. Send for free circular describing nine special matings.

MRS. ETHEL M. BRAZELTON
TROY KANSAS

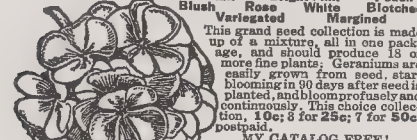
SAVE YOUR CHICKS FROM COCCIDIOSIS!



Destroy the parasite of Coccidiosis, germs of B. W. D., mites, nits, worm eggs with **AEROIL** Controlled Heat. **AEROIL** DISINFECTING TORCH generates a heat of 2000° F. Makes brooders, houses, utensils germ free. Cheaper, more effective than disinfectants. Used by over 50 Agricultural Colleges, Poultrymen. Write for Free Folder No. 90 EE. **AEROIL BURNER CO., Inc.**, 176 N. Wacker Dr., Chicago, Ill.; West New York, N. J.

18 Geraniums Marvelous Colors! 10¢

This gorgeous collection can be grown in your own home. Unsurpassed as house plants or for bedding in the open ground. Beautiful and choice colors, as listed below.



Flame Red **Bleek Red** **Crimson**
Maroon **Salmon** **Peach**
Orange Red **Blush** **Bright Pink** **Blotched**
Variegated **Margined**

This grand seed collection is made up of a mixture, all in one package, and should produce 15 or more fine plants. Geraniums are easily grown from seed, start blooming in 30 days after seed is planted, and bloom profusely and continuously. This choice collection, 10¢; 8 for 25¢; 7 for 50¢, postpaid.

MY CATALOG FREE!
A Service for Farm Women
ALYS JOHNSTON CO. Box 4
POLO, ILLINOIS

Guaranteed to Grow!

NEWS of the Poultry World

A Turkey Egg Scale

The Prospectus Mfg. Co., Minneapolis, Minnesota, manufactures an egg scale that can be used to grade turkey eggs. This ought to be of special interest to turkey raisers who wish to grade their turkey eggs.

National Egg Week

The National Poultry Council will stage National Egg Week this coming spring from May 1 to 7. The program will include the following procedure:

An essay and slogan contest to be run during the week of May 1 to 7.

The celebration will include the following items in addition to the slogan and essay contest:

1. Proclamation announcing National Egg Week.

2. Press stories through the poultry journals, farm papers and metropolitan press and through all official publications of the allied organizations and agencies, also through house organs of the allied industries.

3. Broadcasting programs on official time of co-operating agencies including college extension departments, departments of agriculture and the federal government, also miscellaneous time of co-operating agencies.

4. Posters and stickers will be available as in previous years.

5. Home economics demonstrations co-operating with the extension departments of the several state agricultural colleges and experiment stations.

6. Featuring eggs on menus, and railroad dining cars, restaurants, hotels and civic clubs.

7. Staging of egg exhibits by local associations in banks, hotels, stores, etc.

8. Holding of egg shows by the state and local poultry associations, colleges and schools.

9. Co-operative advertising.

10. Local interest will be stimulated through co-operating agencies, such as local farm bureaus, granges, local poultry associations, chambers of commerce, clubs, etc.

11. Most important of all is the continued effort which will be put into effect during the summer, fall and winter for which the council is arranging a carry-on program to include magazine articles and radio broadcasts, centering on eggs and their use in the diet. In other words, our entire efforts are not going to concentrate on National Egg Week, but will be progressive throughout the balance of the year, starting off with the rousing campaign of May 1 to 7.

For further information address National Poultry Council, East Greenwich, R. I.

Track Contest Winners

(Poultry Papers)

1. Vinal Houghton, Lee, Maine, \$25.00.
2. John Condon, Condon Hatchery, Winslow, Indiana, \$10.00.
3. Merritt E. Oplinger, Walkerton, Indiana, \$5.00.
4. Mr. J. L. Smith, Little Pine Poultry Farm, Box 124, Westhampton, New York, \$5.00.
5. Mr. A. A. Lowery, Route 2, Cumberland, Maryland, \$5.00.

National Poultry Band Co. Incorporates

Word comes from Newport, Kentucky, that the National Poultry Band Company, well-known manufacturers of poultry identification bands, was incorporated. Since February 1, of this year, the company has been known as the National Band & Tag Co., Inc., Jos. Haas, president, F. E. Haas, vice president, and E. J. Haas, secretary-treasurer. There has been no change in management and the company will continue to serve the industry in the same dependable way.

Among the 50 varieties of "National Bands," the poultry raiser is sure to find just what he needs. More than 30 states now use "National Bands" for certification and accreditation work conducted under the supervision of the department of agriculture. They have found "National Bands" ideal for this work.

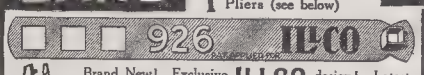
Knowing that poultry raisers constantly demand improved equipment, the National Band & Tag Co., is always on the alert to develop newer and better bands.

Special quotations and literature on any type of band in which you may be interested can be had by addressing the National Band & Tag Co., Inc., Dept. 647, Newport, Ky.

Illinois Supply Company Announces New Ilco Square Seal Poultry Band
A square rivet that prevents twisting, that

NEW! ILLCO SQUARE SEAL BAND

BIGGEST VALUE OFFER \$1
WE HAVE EVER MADE.
To introduce NEW ILLCO equipment we will send post paid for
25 New Square Seal Poultry Bands
1 New Ilco Automatic Float Valve
1 Pliers (see below)



Brand New! Exclusive **ILLCO** design! Latest and greatest improvement in Poultry Bands. **Square Rivet**, seals tight, stops twisting of band and cutting of rivet. Stays on for lifetime. One piece pure heavy-gauge aluminum. One hole or adjustable, \$1.20 per 100.

Band Pliers FREE

With every order sent in before July 1 for our special combination offer of Square Seal Bands and Automatic Float Valve, 1 pair guaranteed Steel Band Sealing Pliers, Cat. value \$1.25, included FREE.

Every poultryman should have one or more of the New **Ilco Automatic Float Valves** to control water level in drinking pans. Valve can be attached to any water supply.

Sure to work. Solid brass, cannot rust. Included in special offer above or sent alone post paid for 90 cents.

New ILLCO Poultry EQUIPMENT GUIDE ALWAYS FREE
Full of rare bargains. Every item a money maker.
ILLINOIS SUPPLY CO.
Dept 55 Aurora, Ill. **ILLCO**

World Record White Rocks — AT — Reduced Prices

Chicks and eggs from same blood lines as our contest winners. **Flood Mating** chicks \$12.50 per 100; eggs \$6.50 per 100. Send for circular describing Group and Pen Matings.

COLLINS & RIPPER, Inc.
BOX L SEYMOUR, IOWA

KILL LICE AT 1/2 THE USUAL COST!

Just spray or paint **LEE'S LICE KILLER** on the roosts and dropping boards. Fumes kill the lice—you see them dead next morning. No handling birds. Works while you sleep. Unequalled for over 35 years. Only \$1.50 per gallon.

Kills the Mites, Too

That's just as important as killing the lice. Mites attack the birds at night, continue the blood sucking carried on all day by the lice. For mites dilute with two parts kerosene and spray walls, nest boxes, etc., once a year and your mite troubles are over. Satisfaction or your money back.

At 10,000 drug, feed, seed stores, chick hatcheries. Qt., 60¢; 1/2 gal., 90¢; gal., \$1.50; 5 gal., \$6.

GEO. H. LEE CO., 174 Lee Bldg., OMAHA, NEBR.

COPPER STEEL FENCE 200 Styles at LOWER PRICES

Buy direct from my factory with Freight Paid and save 1/2. Copper steel makes it last twice as long. Also Bargains in Steel Posts, Barb Wire, Roofing, Paint, Poultry supplies. Write for 162-page Catalog.—Jim Brown. The Brown Fence & Wire Co., Dept. 4222 Cleveland, O.

makes the band a practically solid ring when it is sealed, is the outstanding feature of a new poultry band, invented and just put on the market by H. J. Divekey, president of the Illinois Supply Company.

Heretofore, poultrymen have experienced annoyance, and even loss through the twisting



of the ring upon the rivet seal, the wear resulting sometimes being great enough to cut the rivet and cause the band to fall off. With the square rivet, no twisting can occur, and consequently the band will stay upon the bird for a lifetime.

This band is being made in both one hole and adjustable styles of pure, heavy-gauge aluminum, $\frac{3}{8}$ inch wide. It will carry regular or special stamping of letters and figures as specified.

No poultry fancier who pretends to run his plant on a modern, profit-paying basis can afford to leave his birds unbanded; for banding supplies the only reliable means of identifying outstanding individuals. Full information regarding styles, sizes, prices, etc., can be obtained by writing to the Illinois Supply Company, Aurora, Illinois.

How Soon Should Chicks Be Wormed?

About this time of year our editor's desk is loaded with letters from subscribers asking how early their young chicks become troubled with worms and when they should first be given a worm treatment.

As soon as the baby chick is allowed to run on ground he is very likely to pick up worm eggs when he starts to scratch and peck for food.

For some time the presence of worm infestation is not noticeable because the worm eggs must incubate and the parasites mature before indications present themselves outwardly in the chick's appearance.

It is proper to worm your young pullets soon after eight weeks of age.

For those of our readers who are interested in spring worming as a precaution to the normal growth and development of young chicks, we have at our disposal free bulletins on worms in poultry which we will be glad to send you without cost or obligation if you will write to us.

Mites Can Live Several Months Without Feeding on Birds

Many poultrymen have wondered how mites get started in a new poultry house, built entirely of new lumber, and why it is that an old house can apparently be rid of them for a while, only to become suddenly infested again as if by magic. Where have these mites been in the meantime and how did they get into the once mite-free houses? These questions have been answered by an explanation of J. G. Halpin, professor of poultry husbandry at the University of Wisconsin.

Mites often have a breeding ground somewhere outside the poultry house, he explains. Sometimes they can be found in trees where chickens have roosted, or if these birds spend part of their time in buildings other than the poultry house, these buildings may be infested. Such mites can easily be carried back to the poultry house by chickens or they may be carried by sparrows or other birds on which they are also parasitic. In the absence of chickens or birds, mites sometimes feed temporarily on horses or other warm blooded animals, and are occasionally transported from one place to another by them.

Under ordinary circumstances, mites live in cracks or crevices around the poultry house and come out at night to suck blood from the hens. There is one stage of its life, however, when it does not feed on blood. This is the first or maggot stage. Eggs are laid in some protected crack or crevice. When these eggs hatch, the maggot feeds on wood or filth, Prof. Halpin says, and is not parasitic on chickens or other animals. This consumption of wood accounts for the ridges which can usually be found underneath the roosts of an old mite-infested house.

"After the maggot stage," Prof. Halpin explains, "we have what is popularly spoken of as the nit stage or resting stage. Then after this the mature mite emerges from the cocoon or case in which it has been spending its resting period. Mature mites are blood suckers, but can live for a considerable period of time by consuming dead mites, filth, and materials of that sort. As a matter of fact, I believe there are authentic records of mites staying alive in houses for seven or eight months without having any warm blooded animal on which to feed."

This little-known wood eating characteristic

NOPCO

does more than prevent rickets

IN the old days, poultrymen used cod liver oil for one purpose — to prevent rickets. Today, up-to-date poultrymen know that NOPCO will do more than that if used at the recommended percentage.

We recommend natural, unfortified cod liver oil at 1% of the total ration. Such a product is Nopco DD. Nopco Fortified Cod Liver Oil is recommended at $\frac{1}{2}$ %.

In these recommendations there is a 100% margin of safety in Vitamin D. This is important: for best all-around results, use NOPCO as recommended. Nopco products are SAFE, DEPENDABLE, ECONOMIC. See your dealer. Write us if he cannot supply you.



Regular feeding of NOPCO in chick mash means lower mortality, stronger chicks, no rickets.

Year 'round feeding of NOPCO in laying mash is a direct aid to increased egg production, stronger egg shells, highest egg quality, increased profits from fewer birds...and yet the cost is surprisingly small. One or two more eggs per bird will pay for it.



NATIONAL OIL PRODUCTS CO., INC.

BOSTON SAN FRANCISCO CHICAGO
EXECUTIVE OFFICES: 20 ESSEX ST., HARRISON, N. J.



WHITE ROCK CHICKS--EGGS

Strong, healthy breeding stock produced on free range. Bred for exhibition as well as egg production. All stock bloodtested. Livability guarantee on chicks.

CONTEST RECORDS UP TO 301 EGGS

LAYING CONTEST AND STATE FAIR WINNERS

The past season I won 1st White Rock pen at Georgia National and New York State Contests, 2nd at Michigan and 4th at Storrs.

STRONG LIVABLE CHICKS — HATCHABLE EGGS

My flocks headed by pedigreed males from hens with records of 200 to 280 eggs will produce the kind of White Rocks you will be proud to own and if given proper care will prove highly profitable. Chicks each week starting December 28. Prices reasonable. Send for circular.

OSCAR W. HOLTZAPPLE, Box 70, Elida, Ohio



Coccidia Destroyed

Iodine Suspensoid quickly kills coccidia when the two come in contact. Keep your premises and utensils safe by frequently using it. Feed Iodine Suspensoid Merck before or during outbreaks of coccidiosis.

MERCK & CO., INC., Manufacturing Chemists, Rahway, N. J., Dept. W-4

IODINE SUSPENSOID MERCK



Germ-Laden Drinking Water Spreads Coccidiosis and Diarrhea Among Chicks



Just a little Pratts S/H in the drinking fountain sterilizes water and makes it safe for chicks. Don't let disease wreck your profits. Rinse fountains daily with S/H solution to make them sterile and pure. Remember a tiny chick has very little disease resistance. If you want them to thrive, protect them. Pratts S/H is supplied in ten ounce, quart, gallon and 5 gallon sizes. See your dealer.

**IF NO DEALER NEAR YOU
ORDER BY MAIL**

Send 90c for full quart bottle. Enough to sterilize nearly 50 gallons of drinking water.

Pratt Food Co.
Dept. 81, 2nd & Walnut St., Philadelphia, Pa.

PRATTS S/H

**A Stronger, Purer
Sodium-Hypochlorite
for less money**

E. A. HIRT'S

White Rocks

Lead All Pens of Their Variety at STORRS, 1931 in both eggs and points. More points than eggs, too; that means large eggs.

I also hold the **WORLD'S RECORD** for a 10-pullet pen made in 1927.

CHICKS and EGGS

Send for Circular

E. A. HIRT 52 West St.
So. Weymouth, Mass.

HALBACH'S WHITE ROCKS

"THE PROVEN LEADERS"



Eggs or chix from all our great Chicago and State Fair winners and flocks at 33 1/4% off list price. Now is the time to rush your order.

**H. W. Halbach
& Sons**
Waterford, Wis.
Route 8



KILL RATS ... MICE Without Harm to Poultry

"LAST LUNCH" is the most deadly of all exterminators for rats and mice. Made of squill, endorsed by U. S. Dept. of Agr. and county agents. Contains extra ingredient that makes rats eat it greedily. Rats die outside. Money back guarantee. Send 75c for (3 oz.) \$1.00 can, \$2 for \$1.25. Or, pay postman. Write

SMITHERS CO., 7415 Stony Island, Chicago, Ill.

PRIMEX GUARANTEED DAY-OLD PULLETS AND COCKERELS

Save Feed—Save Chicks with these sex-linked Cross-breeds, Highest Utility Value. Baster to raise. More eggs, more vigor, more disease resistance in Primex pullets; quicker growth, better feathering, bigger broiler, roaster and capon profits with Primex cockerels. Write quick for details and order early. **ALYS JOHNSTON CO., Box X, Polo, Ill.**

of young mites explains why they can live so long away from chickens. Prof. Halpin says also that it has a bearing on their control. One way to keep out mites, he says, is to make the nests, roosts and other wooden surfaces unfit for them to breed and grow in. This can be done by treating with Carbolineum. "Wood carefully treated with Carbolineum," he says, "will not be a breeding ground for mites as long as the surface of the wood is impregnated with this material. I have believed for many years that the reason why Carbolineum is so effective in keeping down mite infestation is because wood so treated is not satisfactory material for nourishing the young or first stages of the mite."

One brush application of Avenarius Carbolineum per year has been found sufficient to kill mites and keep them out of the poultry house. Prof. Halpin makes this one precaution. If the roosts are nailed fast to a frame, the wood underneath and in between should be thoroughly soaked so that mites can't live there and reproduce.

Endorses Mr. Nourse for Re-Election

Those who find the most fault are those who do the least. It is easy enough to sit on the side lines and shout at the umpire. Those who have been actively engaged in looking after the welfare of the American Poultry Association and Standardbred poultry know what a struggle it has been.

Publications naturally cater to the end of the business that is giving them business, and for the past several years it has been the commercial end of the business. Standardbred poultry has not advertised or been given the publicity it formerly enjoyed and the results have been a falling off in interest and also in poultry shows, which means less sales of show supplies and Standards of Perfection. Now those who have never offered a suggestion sit in the bleachers and shout, "We want a change."

Why didn't some of these same men take part in the meetings they attended? Why didn't they offer some constructive criticisms or suggestions? No, they attend the convention, take in the social functions, never take an active part in the business of the convention, then go home and criticize and at election time want to be elected to some office.

Mr. Nourse and his executive board have been faithful to the interests of the A.P.A., and to Standardbred poultry. They have worked hard to maintain the poultry shows. They contributed to the tariff work. The A.P.A. sent a committee to Washington, D. C., to consult with Drs. Moehler and Jull, asking that regardless of what plan of certification was adopted that more attention be paid to Standard quality.

To listen to some of the candidates you would think the present officers had been fast asleep. We claim they have not.

President Nourse is well equipped both educationally and by experience to ably represent the A.P.A. in any gathering. He has spent approximately one-half of every day of his time on A.P.A. work. He has had only his traveling and office expenses paid, and as long as he desires re-election he is entitled to the support of those who have the welfare of the association at heart.—Very truly yours, D. E. Hale.

BARRED ROCK CLASSES AT WEST VIRGINIA STATE MEET OF AMERICAN BARRED PLYMOUTH ROCK CLUB

By JUDGE E. S. PORTER

The West Virginia State Club Meet produced a wonderful class of real quality Barred Plymouth Rocks.

I am pleased to be able to quote that I have never before handled a class of Barred Rock males which carried the full, well developed tails and rich yellow leg color as was seen here.

The surface color was of the proper shade and carried the much sought for even blue tone through all the classes.

Dark—First cock, a bird not finished in feather but clean, pure, even color of the proper character of barring on a body of real Rock type. Hard to beat when in full finish.

Second, third, and fourth cocks, better finished, but failed to first cock in the surface being not so clean and of a metallic sheen especially over wing bows. Not as good in body type and balance.

First hen, a marvel for deep, solid color, but could have been longer in body and a little higher on legs.

Second hen, real Rock type and very well barred, but a trifle too clean for a valuable breeder.

Third, fourth and fifth hens were all very good bodied birds and very well barred, but not of the sound, deep black of the first and second hens. I might say that in my opinion some breeders are exhibiting Dark females too near standard color.

In the cockerels the first, second, third and fourth were all very close, all being of the

STOP! CHICK BABY LOSSES

with
**Dr. Salsbury's
PHEN-O-SAL
TABLETS**

Prevent Coccidiosis, Diarrhea, and other bowel disturbances, with this nationally known, tried and tested intestinal safeguard and healer, simply drop a tablet in the drinking water—can be used in any metal container including galvanized.

Price—50 tablets 50c; 125—\$1.00; 300—\$2.00; 500—\$3.00; 1000—\$5.50.

STOP CANNIBALISM

The vicious Toe, Vent and Feather picking habit is quickly stopped by using Dr. Salsbury's STOP PICK. Price—6 oz. can \$5.50; 16 oz. can \$1.00.

**STOP BROODER PNEUMONIA
BRONCHITIS, CAPS**

When chicks stand around gasping for breath, remember Dr. Salsbury's CAM-PRO-SAL. Use it as a spray. The medicated vapors when inhaled heal and soothe the delicate organs at once.

Price—Small Size \$1.00; Medium \$1.50; Large \$2.50.

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same even blue-like tone of color with very straight, even barring of the proper shade and very clean throughout. Excellent type with full round breasts, broad, long backs and perfectly finished tails. First cockerel being just a bit more even all over and won on his beautiful head and comb and body balance. Truly four great birds. Fifth cockerel was an excellent bird of just a little lighter shade. Very even and of real type, but had to go down because of weight due to undevelopment. A real promising bird, however.

In Dark pullets we had plenty of quality, but few in the best of finish.

First pullet, a very showy pullet of real quality and full finish. An easy winner, but, as before stated, not as valuable a breeder as some of the pullets placed farther down, being just a trifle too clean and near Standard color. However, her condition and finish placed her at the top easily.

Second, third, fourth, and fifth, all very valuable birds, but due to being unfinished they were a hard class to judge, and I would say that if all had been in full adult feather awards might have been changed considerably. A class of very high class pullets all through, however.

Dark trios were all very good with exception of tail finish on males. All were very well matched and of beautiful color with nice, deep, solid shade.

In Light hens, first was a real star, being champion female of the entire show. She had just everything that goes to make an ideal Barred Rock. Proper character of barring, proper shade, absolutely clean and even in all sections, a beautiful wing and of real Rock type and of the right size. Just Standard weight.

Second and third hens were real quality hens of about the same shade of color with nice barring all over, but had to give way to this great hen.

Second and third were very close and real good hens.

In Light cockerels there were only two, but both were very high class, bright, clean birds of real Rock type.

Light pullets, while only five of them, they were of quality fit for any show in the country. First, second, third, and fourth were all of the same even color and very much alike and just little things made them place as they were. Very much like first hen excepting perfect finish. Fifth pullet, very good, but just a little back of these four real beauties. All in all, a real quality class. I must congratulate the Barred Rock breeders on the wonderful improvement they have made in their body type, tail finish, and leg color. Only a few years ago it was unusual to see Barred Rock males with full, well developed tails and rich yellow leg color.

This improvement goes to show that the better Barred Rock breeders have really done some scientific, constructive breeding and are making Barred Rocks the valuable variety and are putting them out in front where they rightfully belong.

BUFF ROCKS AT HARRISBURG, PA., 1932

By JUDGE I. M. ASBJELD

About a year ago when the eastern Buff Rock breeders demanded the 1932 National Meet of the American Buff Plymouth Rock Club to be held in connection with the Pennsylvania Farm Show, little did I realize at that time what a great state exposition this was, having always had the idea that if anything great was to be seen pertaining to agriculture we would have to go to one of the Midwest farming states for such events, therefore, I was more than surprised to see the greatest exposition of its kind at the 1932 Pennsylvania Farm Show.

Mr. John H. Light and his fellow directors, Mr. John Vandervort, superintendent of poultry, and Mr. Elmer E. Kerlin are to be congratulated for giving the Buff Rocks such a wonderful national meet. They managed to bring together the cream of nineteen quality flocks of Buff Rocks, many of the said flocks being owned by some of America's foremost Buff Rock breeders.

A Description of the Buff Classes

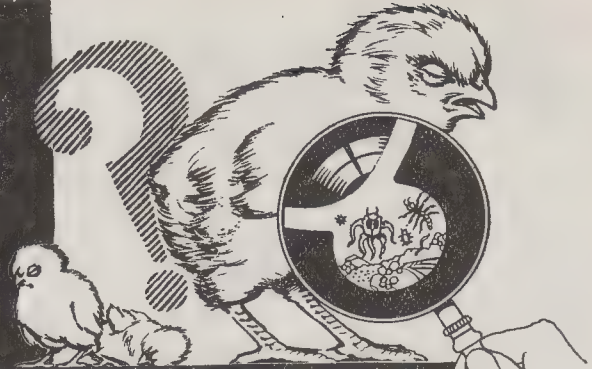
First Cock (E. S. Porter)—The sensation of the Buff Rock class, winning the grand championship for best Buff Rock. A bird shown in wonderful condition and finish, beautiful golden buff plumage on a real quality feather, a good long broad back, good tail carriage, giving him a real Rock type. Just a little shy in breast and bit off on comb. Truly a valuable bird with lots of vigor.

Second Cock (E. H. Lichtenwalter)—A large bird, good in color, but lacks smoothness of finish, a fairly good comb, lower edge of hackle a darker shade of Buff than called for, also lacks in shape of breast.

Third Cock (Fred H. Jeffers)—A smaller bird than the first or second cock birds, very nice in finish, showing some dark in tail.

Fourth Cock (James Vincent)—A wonderful fine cock bird, not as large as the second win-

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you could
look into
the
CROP



If you could look into the crop with a powerful magnifying glass, you would see the reason why infection and diarrhoeas come. The crop is not only a receptacle for the food, but it catches the mold spores and other dangerous bacteria picked up from the floor and droppings—and the moist, 107-degree temperature of the crop supplies just the condition needed for growth of disease germs.

Simple disinfectants in the drinking water help—help to prevent the spread of germs through the drink—BUT THEY DON'T GO FAR ENOUGH. The medicine must destroy infection in the crop. With Germozone only a small part of the active ingredients is used up in purifying the drinking water—consequently, when the Germozone drink reaches the crop it attacks those mold spores and germs and counteracts infection.

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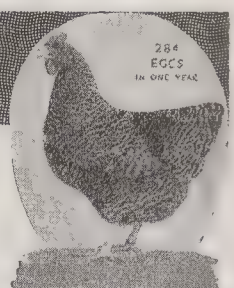
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28x4.75	2.45	.90	33x4	2.40	.90
30x4.75	2.50	.90	34x4	2.45	.90
28x5.00	2.55	1.10	32x4.75	2.20	1.15
28x5.00	2.55	1.10	33x4.75	2.25	1.15
30x5.00	2.60	1.10	34x4.75	2.30	1.15
30x5.25	2.95	1.15	35x4.75	2.35	1.25
32x5.25	3.10	1.15	36x5	3.55	1.25
32x5.50	3.20	1.20	38x5	3.65	1.25
30x6.00	3.00	1.20			
31x6.00	3.10	1.20			
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ner, but in better finish, little off on comb, held back because crooked breast.

Fifth Cock (T. H. Sawyer)—An aged cock bird with comb minus tips, not very even in color across back and wing bows, fair in type.

Sixth Cock (Far-A-Way Farms)—A very active bird of a rather dark shade of Buff, fairly good in type, tail unfinished.

First Hen (P. W. Noyes)—The best finished hen in the class, large in size and good in type. Shown in her very best; can stand some improvement on comb.

Second Hen (James Vincent)—Another large hen, losing out on shape of tail and comb, good in type and color.

Third Hen (E. S. Porter)—A wonderful well balanced hen, shown in very poor condition of tail, having been bruised in shipping coop. Very uniform in color and a very good Plymouth Rock type.

Fourth Hen (B. G. Blackman)—A large hen, a trifle darker than the third hen. Very even in color, held back because of missing main tail feathers.

Fifth Hen (G. W. Wege)—Very good in color, held back because lacking in tail carriage and shape of comb.

Sixth Hen (S. H. Erwin)—A darker colored hen than called for, good in type and size.

Seventh Hen (F. H. Jeffers)—A very large hen in rather rough plumage, injured beak because fighting in coop, tail bruised.

Eighth Hen (G. W. Hatt)—A beautiful colored hen, good in type, held back because of shape of breast.

Ninth Hen (E. J. Turner)—A nice, beautiful, soft colored hen, good in type, losing out in undercolor.

Tenth Hen (E. S. Porter)—A large hen, showing some lacing, tail feathers having been bruised in shipping. Type very much like the third hen.

First Cockerel (G. W. Wege)—A magnificent cockerel, being very large, in fact, he could not stand natural unless comb would touch the top of coop. A large and powerful head. A marvel for color and type having such a wonderful balance. A shallow breast being the cause that held this fellow back for grand championship. This cockerel should be a world's champion as a cock.

Second Cockerel (Fred Armer)—Another fine cockerel of the type that has been winning in the Rock classes of late, showing lots of vigor, lacking in shape of tail, comb not as good as that of first cockerel.

Third Cockerel (P. W. Noyes)—A large, powerful male, of a beautiful shade of buff. Off on shape of tail and comb to win over second cockerel.

Fourth Cockerel (Fred Armer)—A bird with a beautiful type, of a lighter shade of Buff than the above winners, very strong in head points.

Fifth Cockerel (Fred Armer)—A good colored bird, of medium size, losing out in shape of tail and body to the fourth cockerel.

Sixth Cockerel (W. E. Sponsler)—Color not as good as the fifth cockerel. Comb on the Orpington type. Type good, lacks in shape of breast.

Seventh Cockerel (G. W. Hatt)—A bird with what we would call lemon buff, being very beautiful and even throughout, off on comb and shape of tail.

Eighth Cockerel (Kerlin Farms)—A heavy boned cockerel, off on color of breast and shape of comb, having been at one time trimmed.

Ninth Cockerel (E. J. Turner)—A large bird of fairly good type. Off on comb, shape of tail and shallow breast.

Tenth Cockerel (Far-A-Way Farms)—A vigorous fellow, losing out in shape of wing and tail, fairly good in color. Owner reported that this cockerel was a brother to his noted Buff Rock hen that laid 260 eggs in 10 months at Farmingdale, New York, 1930-31.

First Pullet (E. S. Porter)—Another outstanding Buff Rock female, great for type, color and finish. One of those pullets that are good in all sections.

Second Pullet (Kerlin Farms)—One of the most valuable breeding females I have seen. A most wonderful head and eye expression, not shown in the very best of show condition because of a few faded feathers on the back, carried tail rather high at times, presume she was about to lay her first egg and therefore a bit restless in the coop, with the exception of the few faded feathers on back, one even shade of rich golden buff, tail having a little peppering.

Third Pullet (E. S. Porter)—A nice large pullet, not shown in her best, would not pose up like the first pullet, being very much of the same type. Good in head points.

Fourth Pullet (James H. Vincent)—A large female, very good in color, head and comb too small, tail carried too low.

Fifth Pullet (Fred Armer)—A very large bird, good in type, tail somewhat pinched and color not quite as uniform as called for.

Sixth Pullet (S. H. Erwin)—A nice classy pullet, on the type of the first pullet; head

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Write me at once and enclose 25 cents to help pay the preparing and mailing expense which covers the entire cost to you. With the seeds for this GARDEN OF ROSES I will send simple cultural directions so you can easily grow from

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and comb too small and some peppering in tail.

Seventh Pullet (G. W. Hatt)—A very richly finished pullet, strong in head type, losing out in shape of tail.

Eighth Pullet (Fred Armer)—A very large pullet, strong in type, shows some lacing over back, off on shape of tail.

Ninth Pullet (B. G. Blackman)—Lacking in finish of feathering, good in type, off in comb.

Tenth Pullet (C. N. Burmaster)—A long bodied female, tail pinched, show some shafting.

First Old Pen (Kerlin Farm)—An easy winner. Cock very large, approaching Orpington type; color fairly good; comb rather large, lacking in finish of feathering. Females very large and strong in type, but not matching in color.

Second Old Pen (S. H. Erwin)—Consisting of a very large male bird, lacking in type and too dark in color across wing bows. Females fair in type, but somewhat uneven in color.

First Young Pen (Kerlin Farm)—Headed by a large cockerel, very good in color, rather high and shallow in breast, tail carried rather high, fairly good head. Females large and matching very good in color, good in head points.

Second Young Pen (S. H. Erwin)—Headed by a smaller cockerel than in first pen, rather dark across wing bows, tail carried too low. Females quite uniform in type and color.

Third Young Pen (W. A. Henchberger)—Headed by a rather small cockerel, too dark in color. Females somewhat better in color, lacking in type.

ATTENTION, BUFF ROCK BREEDERS! AN OPEN LETTER TO THE BREEDERS OF BUFF PLYMOUTH ROCKS

By E. S. PORTER

President American Buff Rock Club

Dear Buff Rock Breeders:

Now that the winter shows are over together with the national meeting of the American Buff Rock Club I feel that I must write you a letter regarding our club.

You who are interested have read our secretary-treasurer's annual report.

Does it look good to you? Does it show that we are up and doing as we should be? I realize that this so-called depression has had its effect on every and all business, therefore it is only natural that it should have some effect upon our club.

It has had, but what I wish to call to your attention is the fact that right now is the time when each and every Buff Rock breeder should do all in their power to bring our club up to Standard.

Now is the time when we have the opportunity to step ahead of a lot of the other varieties but we must put our shoulders to the wheel and take advantage of this opportunity if we are to accomplish this feat.

Here and now I am going to say something that I should like to say if I had the opportunity of having all the Buff Rock breeders of the country in one large audience.

We have some dozen or so breeders who are real loyal hard working interested members who give their time and money in an effort to promote our club, club shows and the variety in general, but, sorry to say, we have some who must be termed as dead timber.

In this case it is only natural and sensible that we can only do about one-fifth of what we could do if all breeders of Buff Rocks were active club members.

What a club we could have and what we could do for our favorite variety if each breeder of our favorite variety would join the club and pay their dues regularly on time. If such were the case our officers could make plans for the promotion of our club and shows and could really do a lot of things which some of our "non members" and "pay occasionally" members think should be done. Now, boys, to be very frank with you I must advise that you must plan your work before doing it. You must build the fire before getting any heat, but you cannot even build the fire without fuel. Then after being started, you again must have a constant supply of fuel to maintain the even heat.

Just so it is with the maintenance of our club. We have always had too many consuming the heat which has been maintained by the few real loyal workers.

I wish here to thank each and every one of our loyal workers for their untiring efforts, but I am going to ask just one thing that I would like to have them do. I would suggest and ask that each member of our club secure one or more new members and by so doing put us easily over the top. We must have them.

Let us all just get busy during the next few weeks and let the world know that the Buff Rocks are backed by men and women with backbones instead of wishbones. I feel confident that our breeders are of the best of material, but some have just allowed themselves to become somewhat dormant. Let's revive and make things hum for Buff Rocks.



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For Incubators and Brooders
Accurate, Easy to Read. Mercury is sighted against bright red column, avoiding costly errors. Single Incubator Thermometer, \$1; Doz., \$5, postpaid. Write for free illus. folder.
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FOR EVERY PLYMOUTH ROCK BREEDER

By CLARENCE TERVEER
St. Charles, Minn.

"Better late than never," is an old adage, but how much better it would have been if we as individuals and our public servants and law makers had practiced a little more conservatism all through the last decade instead of waiting until we were forced back to the last trench and then trying to make a permanent stand. A lot of needless bureaus; too much unnecessary spending in luxuries, sports, education and good road building, together with foreign debts being shoved on the American taxpayers is what has caused this depression and putting us in the condition we are in. Right or wrong, the tendency in the fall election is going to be to "change everybody," with the possible exception of the chief executive who is made dominant by the money powers of the financial East. This new group of lawmakers are going to do something that will help the little fish, because they will be elected on a promise to cut government expenses, practice rigid economy and to enact legislation that will help the average person. Our credit has been too good and the various forms of town, county, state and national government has been run altogether too much on borrowed money. It is a game of the big money interest, and it has been proven time and time again to be all wrong. A policy to tax to raise enough funds to build and pay as you go, is the only right method. The greedy money interest want good security for their money and they know they can find no better security than the American taxpayer. These are my views.

So far the weather here in this territory this winter has been varied, considerable snow fallen at frequent intervals, a few cold days and then a few warm thawing days. Take it all in all, it has not been a bad winter at all. It would seem that the drouth cycle of years has past, for a snowy winter has followed a wet fall and it is quite likely that a spring and summer with plenty of moisture is forthcoming.

Get the breeders out of doors as soon as it is reasonably possible. It may mean a few less eggs at the outset but the increased fertility and hatchability will distinctly offset the slightly decreased production. Getting their feet on Old Mother Earth and their outdoor exercise in the fresh air and sunshine invigorates them and imparts "something" into their bodies that cannot now be fed to them indoors. This in itself is a great tonic. It also gives the males more pep and makes them foxier, and they have a chance to spread out more and do more mating with less disturbance from their superiors.

Keep feeding their scratch grain in deep litter to compel exercising. Exercising is essential in breeders to maintain good health and to assure good hatches of strong, robust chicks. Feed only the usual amount of scratch grains but divide and feed this morning, noon and evening. It pays to give this extra care.

During this month and next it is a good policy to tack cups around the walls of the poultry house at a height which only the males can reach in which to place feed for the males to eat. There is a tendency for the males to become thin and get out of condition to be of the best breeding service. By placing a hand full of feed in each of these cups at the time when you feed the regular scratch grains will help to correct this trouble.

Have you contemplated putting your chicks on new range this year? If you have had difficulty raising and maturing strong, healthy and vigorous chicks because of using old contaminated and diseased yards, it is highly probable that changing the range will be your only solution to this problem. Yes, it will no doubt be necessary to move your brooder coops to a range further away from the main buildings which will make your work more burdensome in order to assure success, but what is the use putting in your time and making real sacrifices just to raise a small percentage of uneven and unthrifty chicks which the majority of them can never make you any money now. Move them far enough away where they will not come in contact with the ground where other chicks have ranged previously. Clean and scrub your brooder house floors with boiling lye water and then disinfect walls, ceiling and all with some good disinfectant and allow to air thoroughly before using. Clean your large general laying houses the

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The Home Products want a name for their new cake flour and will give a six room house with bath, good garage, hen house and brooder house to the one suggesting the best name. Or, if the winner prefers, \$600 cash and \$25 a month for the months remaining of this year after contest closes July 1. Think hard and quick, for the name you send might be the one chosen. You know tall oaks from little acorns grow so a name might bring you a home. \$50 extra paid for promptness. Send your name at once to get in on the promptness prize. Send in name today.

S. M. MOCK
Gen. Mgr., Home Products
Englewood - Kansas

HUME'S FAMOUS WHITE ROCKS
Winner and heavy layers. Flock headed by males with dam's record of 200 to 247 eggs. Eggs \$5.00 per 100, \$3.00 for 50, \$1.50 per setting prepaid. Bronze turkeys and White Guineas.
MR. & MRS. ROY HUME, Route 4, Knobnoster, Mo.

same way in the fall and you should have no difficulty maintaining strong, healthy, paying flocks of Rocks. The time has come when it is a necessity and not a matter of choice to grow your young stock on new range if you have grown a large number of chicks on a small area year after year for a period of time.

In these days of scientifically balanced chick rations for starting chicks, it is unwise for anyone to lay down a set of rules that will give results with the different kinds of feeds. If best results are to be obtained the manufacturer's feed instructions should be carried out in detail. At the present low price of feeds, I doubt the wisdom of trying to compound a chick starter for the first critical six to eight weeks. During the first two weeks if chicks get sluggish and comparatively inactive, I would recommend that you feed them five times daily and leave the feed before them only about twenty minutes each time. I am a staunch believer in rest periods for chicks between meals so they will come to each meal with brisk appetites. However, if you are not able to carry out this plan faithfully and regularly, it will be better to leave the feed before your chicks at all times.

My advise in operating a brooder stove is to regulate the heat to the comfort of the chicks and pay little attention to the thermometer. Have the coop so heated that the chicks can always find a place warm enough near the stove and yet cold enough at the outer corners of the building so they can get away from the heat. Overheating and chilling is responsible for a heavy toll of chicks each season; and one good chilling or overheating is all that it takes and then see what happens in three days to a week's time. Do not chill the chicks by having them drink water that the chill has not been removed from before being placed in their reach.

Minnesota State Poultry Show

The Minnesota State Poultry Show held at the St. Paul Auditorium, January 20-24, was a real success, despite being one of the most depressed years since the days of the Civil War. The entries were as large as for many years. It was a well balanced show in all particulars and nearly everyone was surprised to see this show so large and successful. It proves that people will remain interested in poultry when they still are one of the best paying branches of farming. The Barred and White Rock classes were large and the winners of exceptional quality. The other Rock classes were small but lacked nothing for quality. The list of awards will appear elsewhere in this issue, I believe.

Our State White Rock Meet

The annual meeting and show of the Minnesota White Rock Club was held in connection with the Pipestone Poultry Show in the southwestern corner of the state. The entries were not as large as a year ago, although Secretary Petchow had put a lot of hard work on the show. It seemed that the farmers in that section were so hard hit by drouth and grasshoppers that they weren't in a spirit to show. The winners were of exceptionally fine quality and their owners knew how to put them down in the proper condition. The Petchows showed a full string of the proper size Rocks with good type, nice color, and neat, refined head points that is a pleasure for any judge to handle. Mr. Petersen did not show pullets or pens as his pullets had been laying heavily all fall and winter and were out of show condition. He is another fellow who knows how to wash and show birds that make them a real pleasure to handle. Mrs. Winter breeds fine Rocks but they were not shown as well as the former two strings. Her second cockerel was a good one but had feathers broken and was not shown as clean and smooth as we like to see them in this quality class. Mr. Becker had a few entries but they lacked in condition due to long shipment to show well. Two of these strings were dried in Smith Mammoth Incubators and the idea works out 100% successful. The next meeting place has not as yet been definitely decided. Mr. Petersen wants it to come to Jackson County and I believe he is rightfully entitled to it. It is hoped that the next meeting will break the record of two years ago with 147 entries, and it should for the exhibitors told me at Pipestone that the country was just full of White Rock flocks.

The awards follow:

White Rocks—Mr. and Mrs. H. A. Petchow: 2-4 cock, 1-3-6-7 hen, 1-3-5 cockerel, 1-2-3-5-6-7 pullet, 1 old pen, 1 young pen. Mrs. Wm. Winter: 3 cock, 2-4-6 cockerel, 4-8 pullet, 2 old pen, 2 young pen. Wm. Petersen: 1 cock, 2-4-5-8 hen, 7 cockerel. Becker: 8 cockerel.

Barred Rocks—Iverson: 1 cock, 1-2-3-4 hen, 1-2 pullet. Bokker: 2-3 cock, 5 pullet, 1 old pen, 1 young pen. Mauland Bros.: 1-4 cockerel. Carey: 2-3-5 cockerel, 4 pullet. Althoff: 3 pullet.

Light Barred Rocks—1-2 cockerel, 1-2-3-4 pullet.

Production Barred Rocks—1 young pen, B. Johnson.



CHICKS

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from THE SPECIALTY BREEDER OF AMERICA'S GREATEST CHAMPION LAYERS

White
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Rocks

All-Time World's Greatest Laying Strain

Buy your chicks from America's finest bloodline. In one year, Rucker White Rocks won all four international highest awards for 10 hen pens including \$100 Barber Prize, highest 10 bird pen Non-Standard, highest pen all Standard Contests, and highest average for 5 or more pens in U. S. and Canada. Awarded trophies by Poultry Tribune and Reliable Poultry Journal for World's Greatest Breeding Accomplishment. This Breeding Accomplishment never equalled by any Breeder at Government Official Egg Laying Contests.

Received Chicks O.K.
All alive.—T. A. Juble, Troy, N. Y.

I bought your Special Mating chicks. They are as fine as I have ever seen, even though I bought others at much higher prices.—A. W. Newton, Orlando, Fla.

Liberal Discount

You can buy chicks representing the World Record Breeding Farm as low as \$90.00 per 1000. Parent Stock bloodtested. DOUBLE GUARANTEE covers 100% live delivery and first 14 days in your own brooder. \$1000.00 in 100 Cash Prizes Tribune Contest. Don't buy Cheap Chicks—buy GOOD CHICKS CHEAP. Do not waste feed, room and labor on "just chicks." Before you buy get my Free Catalog describing trapnested Pen Matings of individually Pedigreed Chicks, Eggs and Breeding Stock. Ship successfully East to New York, South to Florida.

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ROYAL PURITAN STRAIN

This famous strain leads them all as profit makers. That's why so many leading hatcheries use them. Combination egg producers and show birds. Buy your chicks direct from us and get the real thing. Leo Karlen's ROYAL PURITANS laid in four months to the day. Rapid growers; quick featherers; easy to raise; year around heavy layers. Large boned. Best Broilers.

At our last three Chicago Coliseum showings we placed 140 birds out of 159 entered. 19 firsts out of a possible 36. Won 1st and 2nd high pullets in 1928 Iowa egg laying contest for heavy division. High pullet and high pen, Kansas 1930 and 1931. For bigger profits, get this outstanding, hardy, heavy laying strain into your flock. Send today for our beautiful catalogue describing our birds, our clean cut business methods, and our surprisingly low prices—the lowest in our history.

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Rearing pheasants is a profitable sideline, hobby or business. Rear them on your farm or in your yard or garden. Easy to make hundreds of dollars during your spare time. Great demand and high prices from sportsmen. Pheasants eat one-third as much as chickens.

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Rear these beautiful birds for pleasure and profit. Our booklet, "Pheasant Rearing" tells how. Send 20c for your copy.

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Jewell's Matings for April and May

The best I ever have sold eggs from, containing nothing but the Cream of thirty years of successful breeding. Eggs will be \$5 per 15 from only my very best for these two months. A bargain if you want the good ones. Send your order to me so you can share with good ones.

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BARRED PLYMOUTH ROCKS

Always 1st prize winners in the big shows, the result of 33 years effort in breeding to produce a more useful and beautiful chicken. STOCK and EGGS.

JOHN W. YANT

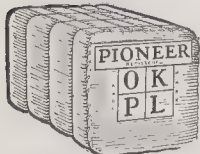
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"O K" Poultry Litter

... the best Poultry Litter you can use because it is really the most economical; and is worth its weight in good U. S. currency after use as a fertilizer-humus. Contains minimum dust and fibre... the only completely sanitary litter... prevents spread of diseases... insulates against cold or heat... prevents dampness with subsequent colds and roup. But do not accept cheap substitutes. Only O K P L offers you greatest safety and satisfaction.

Send for 24 page booklet, "Poultry Litter"—it tells all you should know about the litter problem. 2 bushel trial package \$1.50 postpaid. Prices on request.



The O.K. Co.

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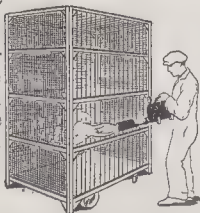
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with the **Torit
Fire Gun**

We will ship our Torit 7-K Fire Gun with full guarantee to please you. Destroys all living germs.

Price \$23.50

St. Paul Welding & Mfg. Co.
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The Original E. B. Thompson IMPERIAL RINGLET STRAIN

— of —
Barred Plymouth Rocks

Hatching Eggs from superior matings at new low prices—Breeding cockerels to improve your flock from \$7.50 up.

Catalog

BOB-WHITE FARM
WILTON - - - CONN.
Successor to E. B. Thompson

Chicken Farmers, Attention!



In a quarter of an hour you can control 300 hens with Bechtold's egg-laying counter. Practical invention, patent applied for. A slight pressure and the egg is registered. Counting 240 eggs. Scarcely heavier than an ordinary wing-mark. Can always be read how many eggs the hen has laid. Examined and approved by experienced experts. Price, each, numbered—12c; without numbers 11c. Prints free. Sample 20c in stamps.

Joseph Bechtold
Colemans Station, N. Y.

R. O. P. Barred Rocks

All females trapnested. All males approved from 200 egg hens. Eggs \$6.00 per 100. Chicks \$15.00. Special pens.

MRS. M. I. HURLEY

Valley Falls, Kansas

Plymouth Rocks in Egg Laying Contests

This department is a monthly feature of the PLYMOUTH ROCK MONTHLY and is intended to be a guide for breeders interested in the laying contests. It is also intended to serve as a guide for those wishing to purchase the best in high egg production Plymouth Rocks. Names printed in bold faced type are advertisers in this issue. These breeders are entering their birds in egg-laying contests to prove to the poultry public the actual worth of their stock as producers. The fact that they are advertising indicates they have stock, eggs or chicks to sell. Those wishing to secure high production stock should patronize these breeders.

Address all correspondence relative to this department to L. H. Harvey, Glen Ellyn, Ill.

February Report—Fifth Month of Contests Started October 1, 1931

(10 Hens to a Pen)

ALABAMA

Barred Rocks

High Pen, 691.20 pts., Pratt Exp. Farm.

High Pen, 107.15 pts., Pratt Exp. Farm.

White Rocks

High Pen, 638.95 pts., Holtzapple P. F.

High Pen, 82.80 pts., Holtzapple P. F.

FLORIDA

Barred Rocks

High Pen, 870.85 pts., Jos. L. Darlington.

High Pen, 115.10 pts., Jos. L. Darlington.

White Rocks

High Pen, 659.20 pts., Adam F. Polt.

High Pen, 101.45 pts., Adam F. Polt.

GEORGIA

Barred Rocks

High Pen, 1,204.4 pts., Mrs. G. V. Cate.

High Pen, 143.35 pts., Mrs. G. V. Cate.

White Rocks

High Pen, 816.4 pts., Georgia St. College.

High Pen, 109.50 pts., Holtzapple P. F.

MAINE

Barred Rocks

High Pen, 981 pts., L. E. Carney.

White Rocks

High Pen, 1,033 pts., E. A. Hirt.

MICHIGAN

Barred Rocks

High Pen, 956 pts., Greene & Specht.

High Pen, 184.05 pts., Frank Teasdale.

White Rocks

High Pen, 831.90 pts., Grandview P. F.

High Pen, 108.95 pts., Grandview P. F.

NEW YORK (Central)

Barred Rocks

High Pen, 1,101.10 pts., Dryden P. F.

White Rocks

High Pen, 756.35 pts., W. Yates Lansing.

NEW YORK (Farmingdale)

Barred Rocks

High Pen, 750.00 pts., V. H. Kirkup.

White Rocks

High Pen, 553.00 pts., Holtzapple P. F.

Buff Rocks

High Pen, 604.00 pts., Far-A-Way Farm.

NEW JERSEY (Hunterdon)

Barred Rocks

High Pen, 936.40 pts., M. F. Hamaker.

High Pen, 121.15 pts., M. F. Hamaker.

White Rocks

High Pen, 656.85 pts., Circle "S" P. F.

High Pen, 96.15 pts., Circle "S" P. F.

NEW JERSEY (Passaic)

Barred Rocks

High Pen, 800.95 pts., A. De Marco.

High Pen, 111.40 pts., A. De Marco.

NEW JERSEY (Vineland)

Barred Rocks

High Pen, 908.25 pts., H. W. Van Winkle.

High Pen, 114.00 pts., H. W. Van Winkle.

White Rocks

High Pen, 838.65 pts., Koster Blue P. F.

High Pen, 108.25 pts., Koster Blue P. F.

OKLAHOMA

Barred Rocks

High Pen, 968.40 pts., Kellys Barred Rock F.

High Pen, 122.30 pts., J. M. Affleck.

White Rocks

High Pen, 761.00 pts., Collins & Ripper.

High Pen, 120.85 pts., E. H. Rucker.

RHODE ISLAND

Barred Rocks

High Pen, 1,228.20 pts., Oakland Farm.

High Pen, 139.85 pts., Oakland Farm.

TEXAS (College Station)

Barred Rocks

High Pen, 1,063.85 pts., Golden Rule P. F.

High Pen, 124.70 pts., Golden Rule P. F.

White Rocks

High Pen, 868.70 pts., Mrs. Fred Duback, Jr.

High Pen (not reported).

February Report—Fifth Month of Contests Started October 1, 1931

(5 Hens to a Pen)

KANSAS (Partridge)

Barred Rocks

High Pen, 711 pts., Royal Puritan Farm.

High Pen, 71.50 pts., Royal Puritan Farm.

Now!

Kansas City

**Robert E. Lee
HOTEL**

A Room With Bath

\$1.50

A Few at \$2.00 and \$2.50

**All Rooms With
Ceiling Fans**

**BEST POPULAR PRICED COFFEE
SHOP IN KANSAS CITY**

GARAGE

**Robbins hatched chix
are better chix**

"PULLING STRONG FOR ROBBINS"

YOU will get greater returns per dollar invested in Robbins hatched chicks. You will get more and better chicks from your eggs hatched in Robbins Incubators. Robbins hatched chicks grow quicker, and more uniform; you will get more pounds of meat from the same sack of feed. You will get more and larger eggs from the same number of pullets; as breeders they will produce a stronger generation of more profitable fowls, because they have the advantages of ideal incubating conditions. Insist on Robbins hatched chicks. Write for names of Robbins equipped hatcheries.

ROBBINS INCUBATOR CO.
Makers of Incubators for Hatcheries
1523-A STOUT ST. DENVER, COLO.

It'll Keep the Water Troughs Full

**Frost-Proof
and Noiseless**

A DEPENDABLE Automatic Watering Valve. Quickly adjusted for any water system or pressure. Quickly and easily locked shut for cleaning troughs. \$1.25 each. (Less in quantities.) One piece Galv. Steel troughs 45" wide by 30 and 45 inches long, 75c and \$1.00 each postpaid. Mail order or card for circular to

THE DRY-NOT MFG. CO.
78 Wheelock Pkwy., St. Paul, Minn.

LAWTON'S WHITE ROCKS

Massachusetts Certified

For either **BROILERS** or **LAYERS** you will certainly be satisfied with this stock. (Records to 285 eggs.)

A. C. LAWTON

North St. Foxboro, Mass.

PULLETS OR COCKERELS

You May Take **PRIMEX**
Your Choice In
Our Day Old **CHICKS**

100% SEX GUARANTEE

Save Money—Save Room—Save Feed—Save! Chicks with these sex-linked Crossbreds. Highest Utility Value. Easier to raise. More eggs, more vigor, more disease resistance in PrimeX pullets. Quicker growth, better feathering, bigger broiler, roaster and capon profits with PrimeX cockerels. Write quick for details and order early. **ALYS JOHNSTON CO., Box X2 POLO, ILL.**

February Report—Fourth Month of Contests
Started November 1, 1931
 (10 Hens to a Pen)

COLORADO**Barred Rocks**

High Pen, 558 eggs, Booth P. F.

High Pen, 75 eggs, Booth P. F.

CONNECTICUT**Barred Rocks**

High Pen, 896 pts., James Dryden.

High Pen (not reported).

White Rocks

High Pen, 840 pts., E. A. Hirt.

High Pen, 102 pts., E. H. Rucker.

MISSOURI (State)**Barred Rocks**

High Pen, 681 eggs, J. D. Ferguson.

High Pen, 93 eggs, J. D. Ferguson.

White Rocks

High Pen, 392 eggs, Mrs. John Depew.

High Pen, 80 eggs, Mrs. John Depew.

PENNSYLVANIA**Barred Rocks**

High Pen, 872 eggs, P. T. Kistler.

High Pen, 107 eggs, Pratt Exp. Farm.

White Rocks

High Pen, 911 eggs, E. H. Rucker.

High Pen, 101 eggs, E. H. Rucker.

February Report—Fourth Month of Contests
Started November 1, 1931
 (5 Hens to a Pen)

ILLINOIS (Kankakee)**Barred Rocks**

High Pen, 298 eggs, J. T. Ramage.

High Pen, 81 eggs, J. T. Ramage.

White Rocks

High Pen, 406 eggs, Millway Hatchery.

High Pen, 101 eggs, L. H. Harvey.

ILLINOIS (Quincy)**Barred Rocks**

High Pen, 364 eggs, Griffith Hatchery.

High Pen, 86 eggs, Lundstrom P. F.

White Rocks

High Pen, 444 eggs, Collins & Ripper.

High Pen, 96 eggs, Collins & Ripper.

ILLINOIS (Murphysboro)**Barred Rocks**

High Pen, 312 eggs, Brummer & Fredericks.

High Pen, 72 eggs, Brummer & Fredericks.

White Rocks

High Pen, 392 eggs, Mrs. John Depew.

High Pen, 80 eggs, Mrs. John Depew.

MISSOURI NATIONAL**Barred Rocks**

High Pen, 370 eggs, Dryden P. F.

High Pen (not reported).

White Rocks

High Pen, 461 eggs, Collins & Ripper.

High Pen, 105 eggs, Rev. Sam Heusi.

Robert R. Parks Named as Editor

Robert R. Parks of Juniata gap, graduate of Penn. State with honors in poultry husbandry, has been honored by being selected as editor of the "Pennsylvania Poultryman," the official publication of the Pennsylvania State Poultry Industries association.

Mr. Parks is a son of Mr. and Mrs. Joseph W. Parks, the former being proprietor of the Parks Poultry yards.

ROCK AWARDS AT POMONA, CALIFORNIA
 March 6, 1932

Dark Barred—Berry & Scott: 1 cock, 3 hen. Carney & Rice: 2 cock, 5 hen, 1 cockerel, 4 pullet. A. G. Goodacre: 3 cock, 5 cockerel, 5 pullet. J. Hoover: 4 cock, 1-4 hen, 2-4 cockerel, 1-3 pullet. S. H. King: 5 cock. J. C. Broomwell: 2 hen. L. Lienweber: 3 cockerel, 2 pullet.

Light Barred—J. C. Broomwell: 1 cock. A. G. Goodacre: 2 cock, 4 hen. Berry & Scott: 1 hen, 1 cockerel, 3 pullet. Carney & Rice: 2 hen, 5 cockerel, 2 pullet. H. Scholl: 3 hen, 5 pullet. J. Hoover: 5 hen, 2 cockerel, 4 pullet. J. E. Erick: 3 cockerel. Clyde Sharp: 4 cockerel. S. S. Foote: 1 pullet.

PLYMOUTH ROCK AWARDS AT CUYA-
HOGA FALLS, OHIO
 January 20-24, 1932

Exhibition Barred—Drake & Anthony: 1 cock, 1 hen, 2-5 pullet. Frank M. Pletz: 3-5 cockerel. Dr. George M. Boone: 1-2-4 cockerel, 1-3-4 pullet.

Dark Barred—Frank M. Pletz: 1-2 pullet. Drake & Anthony: 1 hen.

Light Barred—Drake & Anthony: 1 cockerel, 1 young pen.

Partridge—H. M. Shields: All awards.

Silver Penciled—Z. R. Prentiss: All awards.

An excellent method of warming over biscuits is to put them in a stout paper bag twisted tightly at the top to allow no moisture to escape. Wet the bag all over, and immediately put it into a hot oven. As soon as the bag is dry, the biscuits will be nicely warmed through.

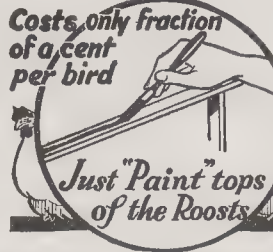
KILLS INSECTS by Contact and Fumes

Insects common to every farm . . . Aphis, Thrip, Leaf-hopper, etc., on trees, flowers, shrubs, vegetable plants; lice on poultry and lice on animals . . . are easily and economically controlled by "Black Leaf 40." This old, reliable "Guardian of the Garden" has been in constant use for over 20 years. It kills insects by contact and fumes . . . a "double-action" not possessed by any non-poisonous, non-volatile insecticide.

Recommended by Experiment Stations and Agricultural Authorities

Poultry lice are killed by merely painting roosts lightly with "Black Leaf 40." Heat generated by roosting birds releases fumes which kill the lice. This treatment also kills many mites. Full directions for use on every package. If your dealer does not handle it, send \$1.00 for trial bottle.

Costs only fraction of a cent per bird



Tobacco By-Products & Chemical Corp., Incorporated
 Louisville, Ky.
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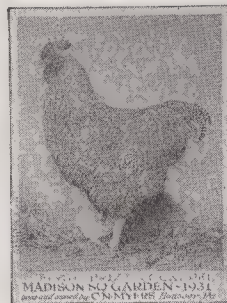


"Black Leaf 40" is highly concentrated. A little goes a long way.

"Lady Beautiful" Barred Plymouth Rocks

have won **BEST DISPLAY** at **Madison Square Garden**

for **5 CONSECUTIVE YEARS!**
1927-1928-1929-1930-1931

**1931 GARDEN WINS:**

DARKS: 1, 2, 3, 4, 5 cock; 1, 3, 4, 5 hen; 1, 2, 3, 4, 5 cockerel; 1, 2, 3, 4 pullet; 1 old pen; 1 young pen.
LIGHTS: 1, 2, 3, 4 cock; 1, 2, 3 hen; 1, 2, 3, 4, 5 cockerel; 1, 2, 3 pullet; 1 old pen; 1 young pen.
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THE DIARY OF A GRAND CHAMPION

(Continued from page 10)

It's nice, juicy sprouted oats this time. About an inch long, with a lot of milk left in the kernels. Jim brought some hot water along with him to warm up the drink. Got to have the water right to keep these hens laying.

11:30 A. M., Same Day—Here comes the boss, looking around. I don't suppose he works so awfully hard, but he seems to keep his "peepers" open. Manages to get around once or twice a day. Most likely he'll begin mating tomorrow.

1:30 P. M., Same Day—Here comes the hot mash. That Jim is a great guy, always on time, always looking out for our comfort. This hot mash is manufactured out of the regular dry mash we have in the hoppers all the time, to which cod liver oil is added, moistened with nice buttermilk from the creamery. You know most of these girls I have with me are ladies until this mash comes and then it's everybody for themselves. Of course, I'm always a gallant gentleman, but manage to get a mouthful occasionally to keep my gizzard from freezing. Nothing like this warm mash on sub-zero days, and we have plenty of them in this climate.

Later—Been so busy showing the ladies who is boss around here, that I forgot to mention that the trapnests have been clicking pretty lively all day. Well, after all that's what good Barred Rocks are for and I claim if exhibition Barred Rocks are bred for vigor and true to body conformation as prescribed by the Standard, they'll lay with the best of them.

4:30 P. M.—Jim is dishing out the scratch grain for our last feed today. Two parts corn, one part wheat, and one part good, heavy oats. Scattered deep in the litter. All we can eat this time, the more the better. We certainly get our crops full, too. We'll need it for the long, cold night ahead.

5:30 P. M.—The boss on his final tour of inspection. Somehow a pair of saucy sparrows got into the house. They say the boss is good natured. But you should have heard what I heard, when he sighted those pesky birds. Grumbled something about keeping the blasted pests out of the hen houses. Disease carriers and vermin carriers. Guess they are pretty dangerous at that. I don't like them anyway. If somebody HAS to be cocky around here, it might as well be me.

January 4—Well, here he comes, I mean the boss, bright and early for him, that sloppy brown hat cocked to one side, a pencil behind his right ear, that old khaki duster and the big 280 page record book. Talk about a poultry bible, that's the Royal Puritan Bible for keeps. Chock full of records, covering the past six years; records on hatchability, records on livability, yearly egg records, records on broodiness, egg size records, in fact a full and complete story on all the females in the matings the past six years, with notations carried over from the past six years preceding. And the records are consulted too, don't you ever forget it. First the chicken is picked for his or her external characteristics and then the bird's record is considered. If after the pros and cons are balanced the bird passes the examination, it goes into the matings. If not, and he or she is not good enough for a lower classed mating or is not to be reserved for sales purposes, it's—SOUP.

I see Ernie Boulet is going to help the boss in mating work. Ernie is our service man, assistant to the big boy himself in the supervision of the hundred or more quality flocks that belong to the Royal Puritan family.

Here we are all set to go. Five exhibition males, all by themselves in five contiguous pens. The eligible females together in an adjoining pen. A son of the first old pen cock, Chicago, 1930, the sire of many of our very best cockerels last year, will head pen one. The son of the first Chicago cock, 1928, later destined to become first old pen cock at St. Paul draws pen 2. Pen 3 goes to the cockerel who later won second at St. Paul. Pen 4 is headed by the humdinger of a cockerel, that was in the display at Des Moines, later third cockerel at St. Paul. I am in pen 5, which shows that the boss is not handing me any special favors just because I happened to be a GRAND CHAMPION.

At that, I get the pick, and the first girl friend goes to me. Pullet 491, out of last year's pen 3. That brown eyed baby is one pippin. Nice size, good full breast, broad flat back, a full, cushiony saddle carried back over the main tail feathers. Boss always wants this last named quality in his dark line females. Says it brings covered tails and nice saddles in the cockerel offspring. Color is not extreme, a soft black in the dark bar, none of that sheen, which will throw brown in the wing bows of the males. Bars straight. Feathers wide. Neck color, seemingly darker than the rest of the bird. This is desirable, the boss says, because it keeps the young cockerels from coming light in the hackle. I draw pullet 494 also, a full sister of 491, but larger and better in saddle. Both of these

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sisters are great layers, starting early in fall. No. 494 laid 28 eggs in December, 491 had 26. How's that for production in exhibition birds? Altogether I got 8 mates, including good old hen 198 who is one of the tops of last year's matings. Had a record of 232 and straight exhibition bred. Had to throw out a few that looked good, but their records did not hold up. A good looking daughter of hen 341 was shoved back, on account of egg size. Poor hatchability of dam's eggs faulted a second. Here is the place, where pedigree breeding shows its real worth. This, as L. H. Harvey says, shows the "scientist in breeding," not merely "the artist in breeding."

January 7—It took the boss nearly three days to put together those five dark exhibition matings. What a lot of tramping back and forth, consulting of records, changing of birds from one pen to another. The boss seems almost satisfied. All small matings, but sound. Females not too dark in color, except in hackle, trim, smooth, well folded wings, broad backs, heavy saddles and well covered tails. The males are not too large, about Standard weight, none of those clumsy, awkward fellows, but vigorous, the kind that want to kick out the side of the pen; the lusty, crowing, cocky kind; conceited, chesty guys like I am. Don't you ever forget it, real exhibition birds just have to be vital, vigorous, snappy or they are back numbers. Always remember THAT, if you want to be successful.

January 22—It's been a long time since I made my last notation in this diary. Have been mighty busy, taking care of my jealous harem. Here I am at St. Paul, attending the Auditorium Show. They have a nice exhibition and the secretary, J. W. Schmitz, Al Lucht, the genial hard working superintendent, and the entire management can well be proud of this show. Again the Barred Rocks are largest, as well as the outstanding class of the whole shebang. John MacPherson of Bayport, that most interesting Minnesota Scotchman, who has won first cockerel at Chicago so often, that even he cannot remember just how often, handled the class. There is never a dull moment with old Mac in charge. And don't you ever think he doesn't know his chickens. He is 74 years young and as keen eyed, alert and aggressive as a college quarterback.

Our Royal Puritans won a lion's share of the firsts, nine out of a possible eleven, to be exact. Jens Larson, that genial Norwegian from Lyle, Minnesota, and an annual winner at Chicago, and Ted Schultz from Wisconsin, a convert to Barred Rocks, after making a reputation as a White Rock breeder, each won one of the other two firsts. Ted, by the way, is a real student and has laid down some good ones and has won on them at Chicago.

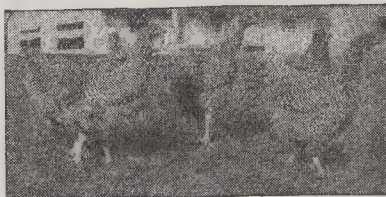
The boss met a lot of his old friends at this show. Louis Stahmer was there with a new line of sparkling stories. Harold Nourse, editor of the Poultry Herald and president of the American Poultry Association, added prestige to the exposition. There was Professor A. C. Smith, the man who wrote the Standard, O. R. Ernst, editor of the PLYMOUTH ROCK MONTHLY, and one of the most widely known men in the industry, Frank Cross, a cracker jack all around judge and one of the keenest students of a Red in the country, Judges Glenn Richards, Bill Mousky, Henry Nierengarden and a lot of others I can't think of just now.

2:30 P. M., Same Day—Had about a dozen of us up for grand champion and they have been pawing us over for the past hour and a half. Old Mac seemed convinced that I was the best Barred Rock in the world (with the exception of a few he had at home), and finally convinced the rest of the judges that he was right. He's an orator and a fighter and as a result I am now a grand champion.

January 25—Home again and glad to be back with the girls. I heard so much about depression the past three or four days, that it feels good to be back in Southern Minnesota, where we are so used to the depression that we could scarcely live without it. Things seem to be perking up on our farm. The Bergland boys are busy in the hatchery, McCarthy is back on the job, Mrs. Schneider and the office force are busier than three rabbits, and seem to be expecting business and getting their share at that.

When things look blue and I feel hungry and tough, I just hop off that old roost where I have been working up a grouch, get down close to my work and scratch like all get-out. Folks, this chicken business is the best paying proposition on the farm, and my advice to you is to forget all about who started this depression, and who is responsible for its holding on so long, and get down close to good Mother Earth and DIG. That is the last parting shot to you people from Old Mac, the grand champion.

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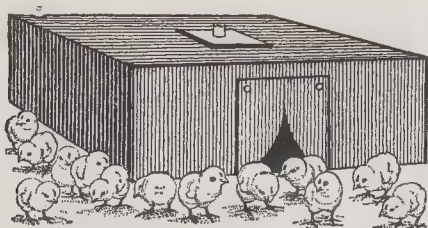
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Symptoms of T. B.

What was the trouble with one of my pullets that died recently? On post-mortem examination I found a greatly enlarged liver; one half was $4\frac{1}{2}$ inches and the other half $3\frac{1}{2}$ inches from tip to tip, and was covered with white spots. Do you think it can be T. B.? All the chickens shake their heads as they were lousy. I have a dust box with louse powder mixed with coal ashes. The roosts are painted with "Black Leaf 40" once a month. Do you think this head shaking is a sign of lousiness? Some of the eggs have little pin points of a white substance on the shell. Can you tell me what is the cause of this?—F. R., Wisconsin.

Answer: The symptoms that you relate indicate tuberculosis. I don't think there is much doubt about that. The feed probably has nothing to do with this trouble. I should watch the birds closely and throw out any birds that seems to be slow and inactive. The fact that the chickens shake their heads does not indicate they are lousy. It may indicate that the litter is damp, giving off ammonia which irritates the nostrils, or it may indicate that they have a sour crop. Perhaps your dropping boards should be cleaned oftener. Birds are more apt to shake their heads in a damp house than in a dry one.

Marketing Broilers

What is the best way to dress broilers? Can they be dry picked? When is the best time to feed a fattening mash? Is dried buttermilk fattening? What is the best way to feed greens? Should I chop them up or feed the whole lettuce leaves?—S. W., Wisconsin.

Answer: The best way to pick broilers is to dry-pick. It requires some skill and considerable care, but it can be done and is done right along. Some markets will accept what is known as the dry scald. It means dipping them in water about 130° Fahrenheit. I would feed a growing mash right up to the time I was marketing them if I was going to send them through a fattening station, because the fattening stations prefer this method. Those feeding chickens in such stations are experts in their line, and if you wish to give them a fattening feed you should confine them to that process the last ten days or two weeks before they are marketed. Dried buttermilk promotes growth, gives a white finish, or a milk fed finish, which is popular with the public and therefore desired by the people who market the chickens. You can get a much whiter meat by feeding buttermilk in place of meat scraps, but this bleaching process can be accomplished in 10 to 14 days. The best way to feed greens is whole. Let the chickens pick out fine morsels according to their taste and desire.

How to Mix Fermented Mash

Will you explain to me how to mix this fermented mash described by Judge D. E. Hale in the Plymouth Rock Monthly for November, also when and how to feed it.—W. H. S.

Answer: I think Judge Hale has made more investigation of yeast feeding than anyone that I know of and his directions are as follows: If you wish to feed the mash dry add 2% of dry yeast to the dry mash and feed in hoppers at will. If you wish to feed a fermented mash add 1% of yeast to the mash and add to the mash an equal volume of water. Let it stand for 24 hours and then feed in a trough or boards what the hens will eat up in 10 or 15 minutes. Then mix the next batch. Except for that the hens are fed as usual.

Partial Paralysis

Is there anything that I can do for a Plymouth Rock rooster that became lame during molt? His legs are stiff and he lays around on the floor all the time. He can walk, but staggers.—C. L. G., Minnesota.

Answer: It is practically useless to try to cure this bird. You could probably keep him alive in fair condition but that avails nothing in the breeding line. You might try giving him a half a teaspoonful or so of cod liver oil and see if that will help any. It may be due to faulty metabolism of mineral matter, but whether there is too much mineral matter deposited in his hocks or too little, is pretty hard to say without seeing him. If it were summer time I would suggest putting him out in the sun every day and feeding plenty of green food. I still recommend green and succulent food in any quantity he wants to eat.

Line Breeding

I purchased a good cockerel last year and would like to follow this line of breeding. Can I use his sons on the main flock this year, or how should I go about it?—C. L. G., Minnesota.

Answer: There are a number of line-breeding charts. The most often used is known as the Felch breeding chart. You will find this outlined in most of the more comprehensive poultry books. It is necessary to inbreed to fix certain characteristics in your strain of Plymouth Rocks. You should select dams of most vigorous, thrifty and rapid-growing specimens. Inbreeding has a tendency to weaken the progeny of each succeeding generation and to overcome that a very close selection must be made for vitality, stamina and growth. It is considered not best to breed brothers and sisters. It is preferred to breed the old male with his daughters and the cockerels with their dams, rather than to breed brother and sister as this is considered the most detrimental plan of breeding. It would be a good idea to place the original male with two unrelated hens by pedigreeing the progeny of each hen you could mate up your pullets with only half brothers. According to the theory of Mr. Felch the harm was done when the proportions of blood were not changed. That is, if both your males and females have half the blood of a male and half the blood of a female, even though these were unrelated, it is best not to breed your hens so mated. But if the male was one quarter of one blood and three-quarters of another he should be mated to females that were half one blood and half the other. Any plan that changes the proportion of blood should be used, but even then I should suggest a most careful selection and the closest scrutiny of the breeding birds as to stamina, rapidity of growth, and size, weight and health.

Dust in the Hen House

Is there any way to eliminate dust in the poultry house? I provide ventilation by swinging the east windows in from the top. How much ventilation should be provided in a house 10x16x7 feet high, with a loft on top? The house has a gabled roof. What is the capacity of this laying house? Do you think there is a better way to ventilate than the way I mention? I use straw for a litter.—C. H., Illinois.

Answer: To get dust out you must ventilate through clear openings. I should say considerable dust should go out through the ventilation you have provided, if the side of the window which drops back is not encased. I should prefer a window hung on weights and pulleys with double sash, that is, just the ordinary house window, and placed as near the top as construction will allow. Then you could

open more or less and you certainly could often enough to let out the dust. There is one thing, however, about this dust. It probably won't bother the hens any, even though disagreeable to you.

An Old Trouble That Spreads Fast

Will you kindly inform me what the following symptoms indicate that I find in my flock? There is a whitish and very offensive discharge coming from the vent. The feathers and rear end become soaked. This spoils the appearance of the flock. On some of them it seems to dry up and leaves a whitish, powder like appearance around the vent.—H. C. S. Pennsylvania.

Answer: The symptoms are unmistakably what are known as vent gleet. This disease will spread very quickly unless you remove the birds which have this discharge, that is, if you have male birds in the flock. These birds may keep on laying, but disease certainly will spread unless they are removed.

The affected birds may be treated with carbolic vaseline that is injected frequently. However, it would be best to take these birds out of the flock and let them continue their laying. I should not use the eggs from such birds for hatching. If carbolic vaseline fails to cure them, give them an injection of iodoform.

Inbreeding

Two years ago I sent to —, Mo., for one hundred eggs. I mated one of the finest cockerels to 15 hens that are not related. Now could I take one of these cockerels and mate him with the two or three-year-old hens of the — strain? We will raise roosters for another year.—H. H. H., Illinois.

Answer: I do not like brother and sister matings, and if the cockerel mentioned first were better than your own it would be better to mate the pullets from this cockerel male to the cockerel male. I should prefer a male from another high-producing fine flock and breed out any other way.

The more I see of inbreeding the less I care for it in commercial flocks. I should also be very particular not to breed from any birds that have ever been diseased in any way if I could possibly avoid it and in this way I think you can establish pretty good immunity.

Is Laryngo-Tracheitis Prevented or Cured?

I have been in the poultry business for ten years. The first six years were most successful with not a set-back; last four years have not been profitable. For the last two years we have had laryngo-tracheitis break out in January after the birds took cold. Before that the birds had roup. We lose about one-third. We have taken every precaution and now feel we have to go out of the poultry business and to our sorrow we do not know the real cause of our trouble. Just as soon as they commence to sneeze we use the various sprays recommended such as B. K. or formalin. The birds just get worse and die. They stop laying and it takes until spring to get them built up. As a matter of fact, those that get better never recover their original health.—L. H. M., Canada.

Answer: This disease now known as laryngo-tracheitis has been a source of considerable loss, not only to the poultry producer, but to the men in the fattening plant. In the fattening plant about every known remedy was tried, but the only one that proved effective was attention. Birds that had colds or showed a tendency to bronchial trouble were disposed of. The cages were then placed farther apart and fewer birds were placed in each compartment. Where they were accustomed to have 4 to 6 foot aisles they had 6 to 8 foot aisles and each compartment held only 4. They went over the plant very often and took out any birds that looked suspicious. This disease is first indicated, I believe, by the birds opening their mouth to breathe. Now, you should go over the flock several times a day and remove every bird that opens its mouth even the width of a hair in order to breathe. If you take them at that stage and isolate them, give them plenty of pure air, and keep them in a clean cage or coop, it will do more to cure them than any remedy I know of. Of course, you should examine these birds and see if the difficulty in breathing is really due to an inflamed tracheia or whether they have canker.

If I had this trouble early in the season I should put the birds back on the chicken range. Have a coop for them that is open on the south and closed on three sides. Feed them lightly and give them plenty of water. They will cure themselves if they are treated in this way, but only when you take them at the very first indication of the disease. If (Please turn to page 33)



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I am a booster for *Animal-Poultry Yeast Foam* and would like a copy of your latest booklet 'Solving the Feeding Problem.' I used your yeast on a group of chicks last year with wonderful success, coming through with 100% while the check pen showed a loss of 14%.

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(Signed) Rev. R. W. Sparks."

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MILLER'S LIGHT AND DARK BARRED ROCKS. Hatching eggs \$3.00 and \$5.00 hundred. Pen mated eggs \$3.00 setting. Won more firsts than all competitors combined in five shows; Best Display at Nebraska State Show and State Fair, 1931. Flock average 180 eggs per hen. John A. Miller, Ashland, Nebr., Route One. 2-4

NARROW, DARK BARRED ROCKS. ORDER NOW. Eggs, postpaid: 30, \$1.00; 100, \$3.00. Ella McCredie, Lake Villa, Ill. 2-4

"ARISTOCRAT" DARK BARRED ROCKS. 278 EGG backing. Excellent type and barring. New blood from Holtermann's best in pens. Winners Champion ribbons. Eggs \$3, 15, \$5, 30; Flock \$6, 100. Harold Sawin, Northwood, Iowa. 2-5

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CANADIAN EXCELSIOR BARRED ROCKS. PEPPY cockerels, won second cockerel at recent Detroit International Show. Hatching Eggs from beautiful, large heavy producers. Mrs. Henry Merz, Lapeer, Mich. 3-6

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LET OUR "DREAM HAVEN" COMBINATION exhibition and production Columbian Rocks help bring "that better day." Quality eggs—15, \$1.25; 30, \$2.25; 50, \$3.50; 100, \$6.00. C. I. Lau, Swanton, Ohio. 3-5

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We won 18 First Prizes out of the 19 possible at Ohio and New York State Fairs, 1931. Real Quality, Disease Free, Large Type, Heavy Layers, Large Eggs. Reasonably priced. Catalog free. Sherman Bowden & Son, Box 195G, Mansfield, Ohio

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Blood Tested, guaranteed true to type, progeny tested. Investigate our stock and prices before you buy. We offer the following breeds from many flocks headed by R.O.P. Maies. Chicks with a future backed by production records. White, Brown, Buff Leghorns; Anconas; White, Buff, Barred Plymouth Rocks; Rhode Island Reds; Buff, White Orpingtons; White, Silver Laced Wyandottes; Black, White Minorcas; Light Brahmas; Black Jersey Giants; White Jersey Giants; Columbian Rocks; Rhode Island Whites; Cornish Game; Light Assorted and Heavy Assorted Chicks for broilers; Baby Ducklings.

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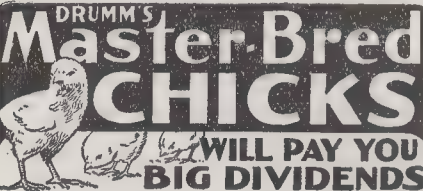


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SERVICE DEPARTMENT

(Continued from page 29)

you wait until they open their mouths quite wide, there is not much hope of curing them. Some get considerable benefit by spraying the birds with the various fine mists composed of 10% formalin, 5% glycerine and 85% water. It would appear that is what you have been using. This is more effective as a preventive than a cure. In winter when it is cold we have better luck by putting them into exhibition cages.

I should have the coops disinfected, the ground plowed up and turned over, and I should not less birds in the house than I have formerly. I should allow at least 4 or 5 square feet per bird, unless the house is too cold and you have to put in more to hold the heat.

You can recognize canker by looking into the throat after pushing the windpipe up into the mouth with the finger. If it is canker, you will see a grayish white mass formed around the windpipe. Care must be taken in removing this because if blood runs down the windpipe, the bird will suffocate. If the mass cannot be lifted off readily with some dull instrument such as a meat skewer sharpened to a chisel edge, wait a little while until it can be. Then, use a camel's hair brush to paint the spot from which it has been removed with tincture of iodine. The amount of iodine must be limited as this liquid must not be allowed to flow down the windpipe. This treatment must be repeated several times.

Bedrooms for Brooding?

Could I use two vacant rooms I have upstairs for brooders instead of brooder houses? If so, tell me how.—J. B., Illinois.

Answer: If you put heat in the rooms and maintain the same amount of heat as you would in a brooder house you could keep the chickens there for a certain length of time, probably three or four weeks. However, it takes a great deal of work to keep the floors clean so that they are free from odor. They would have to be covered with a half inch of fine sifted sand and after the chickens are three or four days old they should be put on some finely cut straw to the depth of three inches. At first use only about a half inch of straw, but as the chickens get older increase the depth.

You could start out by feeding them a scratch mixture of two parts finely cracked corn, two parts finely cracked wheat and one part of steel cut oatmeal, all these grains should be cracked to the consistency of steel cut oats. This should be fed every two or three hours and the quantity should be restricted so that none is left after fifteen minutes scratching. At first put this grain in a trough or a chick saucer or something of that sort. After they know what it is scatter it in small amounts several times daily. After they are three or four days old commence with a good starting mash. I would recommend the following: equal parts by weight of yellow cornmeal, wheat bran, wheat middlings, pulverized oats. To 70 pounds of this add 30 pounds of meat scraps and one-half pound of fine table salt and one pound of charcoal.

Crooked Breast Bones

Will you kindly tell me what causes crooked breast bones in capons? The capons run about 30% crooked and the hens about 20%. I should like advice on how to prevent it. They have a good alfalfa range.—S. B., Illinois.

Answer: There are three probable causes of these crooked breast bones. One would be faulty metabolism of mineral matter, so you must see that there is a good supply of calcium and phosphorus in your ration. If the birds are not out doors they should have cod liver oil in amounts of 1 or 2% in each 100 pounds of mash. A second possibility is environment. Some allow them to roost too soon. They are not likely to have crooked breast bones if they are obliged to sit on the ground until they are eight or ten weeks of age provided they have an abundant supply of mineral matter. The third reason for crooked breast bones is that they are bred from crooked breast boned stock. This I think causes crooked breast bones less often than faulty feeding. When the chickens are young I should make them sit on a flat roost 4 to 6 inches wide and not on a narrow perch. Look over your breeding stock and see if they have crooked breast bones and let me know. I should be interested in finding out.

Battery Brooder Capacity

How many baby chicks can I raise up to three weeks old in a battery brooder, heated by violet light bulbs, 24x30 inches and 10 inches high? How many 3 to 6 week chicks in one compartment? How many 6 to 8 week chicks in one compartment? How shall I feed the same up to 8 weeks? How can I supply grit and oyster shell? What kind of green feed? What kind of fattening mash to finish them off?—C. W. F., Pennsylvania.

Answer: Each compartment is made for about 100 chicks to start with, but I should not put in more than 75. I should keep the number 75 until about two weeks old. Then I should divide them putting about 35 or 40 in each compartment. They probably could stay there another two weeks. You should be able to keep 25 or 30 in each compartment until they are 8 weeks old. I would recommend 37½ pounds yellow cornmeal, 12½ pounds pure wheat bran, 20 pounds of standard middlings, 15 pounds of meat scraps or if you prefer 10 pounds of meat scraps and 5 pounds of powdered milk, 2 pounds of bone meal and 13 pounds of oat flour or flour middlings, add one-half of one pound of fine table salt, also 5 pounds of very fine alfalfa leaf meal. I am inclined to think you will not market these birds at 8 weeks, but rather at 12 weeks. If you can in the meantime get them off the ground and make them scratch in a scratch feed of 2 or 3 parts cracked corn and 1 part wheat in addition to the above mash it will put a lot of muscle and hence a lot of meat on the outside of the frame. I should let the people to whom I sold these, that is, if I sold them to a fattening station, fatten them. They would do a better job of it than you can.

If you want to fatten for private trade, feed the same and the last two weeks moisten it with sweet skim milk or buttermilk. Feed in a trough just what they will eat in about 10 minutes. This might be done once or twice a day. At night you could feed them cracked corn that has been soaked for several hours in sweet skim milk or buttermilk. This might be scattered in the litter in order to make the birds scratch and give them an appetite.

Pop corn pops because the moisture stored in the kernels is converted into steam when the corn is heated. The pressure of this steam causes the popping. Corn having too little or too much moisture will not pop well.

If it is stored where it is in contact with the outside air it should have the right amount of moisture. Should it become too moist, expose it in a heated room to dry it out; if too dry, sprinkle it lightly with water, and leave it in a tight container for a day or two until the moisture is absorbed.

Corn pops best when the fire is hot enough to make it begin to pop in about one and one-half minutes.

A handy mixture to apply to the windshield on cold and rainy days to keep it free from rain and sleet, is to mix one ounce of water with two ounces of glycerine, and one-eighth ounce of salt. Apply this mixture with cheesecloth.

Before measuring molasses for recipes, dip the cup or spoon in scalding water. This will turn the molasses out more quickly.

If a knife is dipped into water before cutting hard-boiled eggs, the yolks will not crumble.

The Poultry Outlook

By
H. V. TORMOHLIN

It is not so pleasant to write the monthly letter for this column when conditions are as they have been in recent months and there are no immediate better prospects. When we suggested in the January issue that we would see 8c eggs, before May 1 we were severely criticized by some who insisted we should always tell folks in this column that "times are getting better."

The value of this column lies solely upon our ability to interpret the future from the present and to be absolutely frank and honest with our readers regardless of how it may for the moment be rather a bitter pill to take.

Now, when conditions in the poultry world seem darkest we can really look up and see better days ahead. We still have several months to go, several hills to climb, but the bottom has finally been reached and we will swing from one violent extreme to another. There is nothing mysterious about that. Where the mountains are highest the valleys are deepest and after the darkest nights we have the brightest sunshine. After violent exercise we have the most complete rest.

After rock bottom prices for eggs the great mass of people will argue to themselves this year that "there is no money in poultry or eggs," and so the crop this year will be considerably short of the five year average. Right now there are 50 million less hens in this country than there were a year ago. Yet we had more eggs during the winter months than in any previous year, due entirely to the abnormally warm winter throughout the corn belt or central states where most of the eggs are produced.

The low spring price of eggs has further tended to induce farmers and poultry raisers to sell off their hens and this will continue during the spring and early summer. It is in the air and folks are determined to go from one extreme to another. So many more hens than usual will go to market from now on and we look for lower prices on them which for the time being will further discourage folks with poultry.

Those who look ahead and plan for the future can surely see that by next winter the poultry situation will have tightened up and the country as a whole will be looking for and wanting pullets because they will see the price of eggs advance steadily after the heat of summer and if we have a normally cold winter there will be quite a scarcity of fresh eggs. This will make the cold storage men money and there will be a note of optimism all the way around in the poultry industry—nothing like the old boom days, we hope, but a healthy condition which will make the lives of poultry folks worth while! There are brighter days ahead for those who plan for the future! But if you look only at the immediate present it is going to be hard for you to figure how you can afford to pay 12c to 25c or more for a baby chick with eggs bringing 8c to 12c a dozen. Consider instead what the pullet is worth next fall and what eggs will bring when that pullet goes into production—that is the way to figure these days.

THE DEPENDABLE BARRED PLYMOUTH ROCK

It is more than forty years ago that the writer commenced breeding and raising Barred Plymouth Rocks and never from that time until the present day have they disappointed me or proved unsatisfactory in any way. Although they have returned me a much better profit some years than others. The sale of the first lot of cockerels will never be forgotten. About a dozen were dressed and sent to market some fifteen miles away by stage, they were extra large and in fine condition and sold readily, but the dealer sent back word to send some roosters the next time that he did not want turkeys, and they surely did look like young turkeys when hung up in the market.

Among the American class the Barred Rocks stand in the very front ranks as producers of large brown eggs. They have

been first prize winners in national egg laying contests conducted under government supervision, competing against thousands of other birds from all the leading varieties. The wonderful records made by this breed has helped greatly in keeping them where they are on the list, for they have not only lead in one contest, but year after year in different contests.

Barred Rocks are simply ideal for the city or suburban family who wishes to keep a few hens and have an occasional real chicken dinner and fresh eggs the year around. The breed is tame and gentle, a five-foot fence will hold them. Their plumage does not show the smoke, soot and dirt when exposed to it like white fowls. They are diligent workers and absolutely contented in small quarters.

In the heavy weight utility class, the Barred Rocks are the farmers fowl above all others. Many farmers who have been misled by unreasonable claims made for other breeders and varieties and have tried breeding them, have returned to the old reliable Barred Rocks. And why? Because they found that in many cases the claims made for other varieties and breeds did not prove true and that they had serious drawbacks which made them unfit for the average general farmer's use. On the other hand, the Barred Rocks are one of our oldest and best known utility breeds, hence, have characteristics established in the breed that can be depended upon, such as vitality, vigorousness and a laying instinct bred into them which enables them to produce eggs during cold weather when they bring the best prices.

Because of their color they are not so easily spied by crows and hawks, and many farmers know that one of their greatest losses each year is occasioned by these troublesome birds. There are other breeds and varieties that are all right and profitable in their place, but their place is not with the general farmer, or the one who keeps a dozen or so cows and does mixed farming and keeps only fifty or seventy-five hens and to which he does not give special attention. The Barred Rock, however, is particularly adapted to just these conditions. In fact, I believe there is no other breed that will thrive and turn into profit from eggs and meat on ordinary care as will the Barred Plymouth Rock.—V. M. C.

BATTERIES FOR CHICKS AND HENS

(Continued from page 6)

Third, every bird is trapested without the necessity of handling her for when her egg is laid, the floor on which she stands is sloped sufficiently to allow the egg to roll to the front. Fourth, every bird is in its same place each day and a more accurate check can be made on each individual fowl. Fifth, no litter is required. Sixth, feeding and watering consists of keeping both mash and water before the birds all the time. No Sunday work is required since the eggs roll to the front of each cage out of the way of the hen, while mash and water may be provided on Saturday to last two or three days. It is claimed by some of the poultrymen in the Toms River area, that

one man can take care of 2,500 to 3,000 birds with no Sunday work.

And so the battery idea has been extended to laying hens. Will the hen battery of the future make it possible for the man in the town and city to maintain a flock of several hundred hens in his own back yard? What of the future?

SILVER PENCILED PLYMOUTH ROCKS

(Continued from page 15)

the exhibits are exceedingly small as compared to the number of White Leghorns kept.

The fancier is the man who is keeping up *vigor* in all varieties of fowls. He is after good, sound color, with good type and in order to keep up both color and type, he must have vigor. Some of the White Leghorn breeders are reporting poor fertility and I have recommended that they buy some of the best show specimens, especially hens, breed them to the most vigorous production male that they possess and use the cockerels from such matings on their best production hens. In this way they can bring back the vigor that gets fertility and at the same time retain the laying qualities implanted by the production male.

Get a pen of Silver Penciled Plymouth Rocks or some eggs from a well-known breeder, and follow the fairs and you will cover your coops with blue ribbons and lend more interest to the poultry shows. The Penciled Rock is as good *utility* fowl as the rest of the family and you will get just as good results, provided you buy good ones with which to begin your flock.

A 6-pound hen laying 144 eggs in a year produces about three times her own weight, and one laying 240 eggs produces about five times her own weight. This hard work calls for a hen that is vigorous and in the best of health.

The average farm hen should lay at least 144 eggs in a year. To bring in the highest profits most of these eggs should be laid from October to March. From the standpoint of breeding this heavy average of laying during the winter months is highly desirable, because heavy winter laying pullets make the best breeders as yearlings.

Consistency takes all the pleasure out of life.

Some men dispose of a disagreeable matter by stuffing the papers in the drawer of a desk.

No matter how many clothes your wife has she always buys a lot more the minute you offer to take her on a trip.

The first day her children go off to kindergarten a woman takes a deep breath, looks in the mirror, and suddenly realizes that she's lost her girlish figure.

Those who ask questions must stand and listen.

BOOKS YOU CAN GET FREE

Many advertisers in connection with their promotional work publish booklets, pamphlets, and other printed matter, which contains in addition to their advertising, helpful material for poultrymen. Such printed matter, with the address of the publisher is listed here and readers are invited to write for any of this literature, which will be sent free on request.

A new Full-O-Pep Chick Starter book filled with information on the feeding and caring for chicks will be mailed free to anyone requesting it. Write to The Quaker Oats Co., Chicago, Ill.

CHICK RAISING MADE EASY, is the name of a new free booklet filled with valuable chick raising information, published by Pratt Food Co., 124-130 Walnut St., Philadelphia, Pa. They will also send you free literature on their new roost paint for delousing, if you wish it.

The new Brower 100-page catalog just off the press with new low prices and chockfull of many practical poultry ideas, will be sent free to anyone writing for it. Address, Brower Mfg. Co., Dept. 3735, Quincy, Ill.

The Illinois Supply Co., Dept. 55, Aurora, Ill., will send free any of the following publications to interested readers: "Life Saver Heating Systems," which helps to choose the best heating system; "Poultry Equipment Manual," a guide to the selection of equipment; "Ultra-Violet," a booklet on the application of these rays.

The National Poultry Band Co., Dept. 647, Newport, Ky., will be glad to send their free catalog; their free booklet, "Essentials of Trapping," and free samples of trapping cards to anyone writing for them.

A free copy of an interesting and instructive booklet, "Water in Abundance," will be sent to anyone writing to The F. E. Myers & Bro. Co., 152 Orange St., Ashland, Ohio.

The Chic-Tone Co., Box 100-L, Angola, Ind., have a very instructive free booklet, "How to Stop Epidemics," sent to those who write for it.

RABBITRY HINTS is a new booklet issued by the Pratt Food Company, 124-130 Walnut St., Philadelphia, Pa., which contains information that every rabbit raiser should have.

THE NEW BUCKEYE BROODER BOOK is published by the Buckeye Incubator Co., of Cleveland, Ohio. This contains valuable information on how to brood chicks with brooder stoves. Address them at H-6709, Central Ave.

ACETOL PRODUCTS, INC., Dept. L-22, 21 Spruce St., New York City, has some blueprints on laying houses, brooder houses, hog houses, and cold frames which they will send free to interested poultrymen.

DEAD LIGHT OR VITAL RAYS, an interesting book just issued by the Clay Equipment Corp., of Cedar Falls, Iowa, contains the results of a long and thorough study of the best methods to provide a continuous supply of ultra-violet rays to poultry.

THE GENERAL ELECTRIC COMPANY of Bridgeport, Conn., will send you full information about ultra-violet rays and sun-lamps. Write to Section L972, Merchandise Department.

LIMESTONE PRODUCTS CORP. OF AMERICA issues a valuable booklet on better feeding methods for poultry. They will also send you free samples of "Lime Crest" products. Address them: Department G, Newton, N. J.

JIM BROWN'S BARGAIN BOOK, a catalog of 164 pages, shows over 200 styles of farm and poultry fences, barb wire, steel posts, baby chicks, poultry supplies, etc. Write The Brown Fence & Wire Co., Dept. 4222, Cleveland, Ohio.

THE DICKELMAN MFG. CO. will send to poultry raisers interesting information about metal brooder houses, which are rat-proof, fire-proof, and properly ventilated. Address them 320 Main St., Forest, Ohio.

QUALITY POULTRY SUPPLIES is the name of a booklet published by The Oakes Mfg. Co., 358 Dearborn St., Tipton, Ind. It gives some helpful ideas on the best and most modern equipment to use in order to save labor, time and feed in raising poultry.

THE FEED HOPPER. An attractive little house organ put out by the Northwestern Yeast Company, telling about their goods and always incorporating some good, practical poultry information. This is published every once in a while and will be sent free for the asking by the Northwestern Yeast Company, Dept. L, 1750 N. Ashland Ave., Chicago, Ill.

JAMESWAY POULTRY HOUSE BOOK is a large elaborate book containing good information on proper housing of poultry. Published by the James Mfg. Co., Dept. 376, Fort Atkinson, Wis.

POULTRY LITTER, published by the O. K. Company, 165-U John St., New York, N. Y., is an interesting booklet telling of the advantages of using litter in poultry houses and describes the value of the various litters.

THE REEL BLADE is the name of a bulletin published by Ira M. Petersime & Son, W.F.-12, Gettysburg, Ohio, for hatcherymen to aid them in every possible way.

The Newtown Giant Incubator Co., H-6708 Euclid Ave., Springfield, Ohio, will be glad to send everyone interested in high class incubators a copy of their Newtown Giant Incubator Book. This is an elaborate highly illustrated book, which gives examples of successful poultrymen.

Several practical brooder house plans are contained in the catalog of the Phelan Brooder Co., 305 Equity Bldg., Oklahoma City, Okla.

The American Incubator, Inc., Dept. 19, New Brunswick, N. J., has a free booklet on electric hot water incubators and brooders.

POULTRY HEALTH AND POULTRY PROFITS is a valuable booklet that may be secured for the asking from General Laboratories, Inc., 436 Dickinson St., Madison, Wis. It contains many secrets of keeping poultry healthy and happy.

A 48-page book on squab raising may be obtained from the Plymouth Rock Squab Co., 155-H St., Melrose Highland, Mass.

NOPCO BULLETIN is the name of a monthly publication issued by the National Oil Products Co., Inc., 20 Essex St., Harrison, N. J. It contains a lot of information on newer scientific discoveries about poultry feeding, especially information on cod liver oil for poultry.

THE PURINA POULTRYMAN issued by Purina Mills, 878 Gratiot St., St. Louis, Mo., should be read by every poultry raiser. It contains very valuable information on how to increase poultry profits through better feeding methods.

CONQUER POULTRY LICE is a bulletin published by the Tobacco By-Products and Chemical Corporation, Louisville, Ky. It contains valuable information on how to rid poultry houses of mites and lice.

NEW SECRETS is a 24-page book and catalog published by the Anderson Box Company, Dept. 23, Indianapolis, Ind. It tells about the opportunities for profit in raising chicks in storage brooders and gives the actual experience of those who use them.

HOW TO RAISE POULTRY FOR PROFIT is the title of a very interesting book published by the National Poultry Institute, Inc., Dept. 206, Washington, D. C. It is beautifully illustrated, printed in colors and describes in detail the home study course in poultry keeping issued by this company.

The H. M. Sheer Company, Dept. 33, Quincy, Ill., extend a special invitation to all poultrymen interested in quality brooding equipment to send for their new 1931 equipment guide just off the press filled with valuable brooder information.

YOCUM-FAUST, LTD., 123 St. George St., London, Can., will send a handy table giving directions for feeding cod liver oil to poultry, to anyone who asks for it.

How to get the full benefit from the life giving ultra-violet rays of the sun through the use of glass substitute is described quite fully in the catalog of the Flex-O-Glass Mfg. Co., Dept. 118, 1451 N. Cicero Ave., Chicago, Ill.

CONKEY'S POULTRY BOOK has been known to the poultry world almost 30 years as an authority on all phases of chick and poultry raising. It contains 64 pages of practical information such as plans of poultry houses and equipment, breeds and breeding, hatching, feeding and many other subjects. A very valuable book published by The G. E. Conkey Co., 6703 Broadway, Cleveland, Ohio.

THE LEEWAY, published by the Geo. H. Lee Co., 405 Lee Bldg., Omaha, Nebr., is a large book which contains a number of very instructive articles on poultry raising in general and disease control in particular.

The Crown Iron Works, 1377 Tyler St., N. E., Minneapolis, Minn., will be glad to send a copy of their large illustrated catalog to anyone interested. The book besides containing description of their many different lines of fences, also contains helpful information on the value of fencing poultry, live stock, rabbits, etc.

A COURSE IN POULTRY DISEASES AND VACCINATION OF FOWLS is the name of a booklet published by the Fidelity Laboratories, 812 Exchange Ave., Chicago. It contains detailed information on vaccination.

THE POULTRYMAN'S VITAMIN GUIDE is a new chart which classifies the Vitamins and tells what they are, what they do, and what they prevent. This chart will be sent to you free upon request by the Pratt Food Co., 109 B, 124 Walnut St., Philadelphia, Pa.

POULTRY HELPS, published by I. Putnam, Route 404-K, Elmira, N. Y., contains plans for building home made brooders and home made oat sprouters by using the Little Putnam Stove.

THE JAMESWAY POULTRY EQUIPMENT AND VENTILATION BOOK contains a complete list of labor saving equipment and valuable information on ventilation. James Mfg. Co., Dept. 376, Fort Atkinson, Wis.

Literature on the new method of disinfecting with fire through the use of a torch may be had from the following manufacturers: Hauck Mfg. Co. 133 Tenth St., Brooklyn, N. Y.; St. Paul Welding & Mfg. Co., 201 W. Third St., St. Paul, Minn.; Aeroil Burner Co., 561 Park Ave., West New York, N. J. Ask for Bulletin No. 90-EE.

A booklet with the latest information on battery brooding, feeding birds in battery brooders and the care of breeding stock may be secured from the Quaker Oats Co., Dept. 21-L, 141 W. Jackson St., Chicago, Ill.

People who are interested in the subject of battery brooding can get free information on the subject from Brower Mfg. Co., Dept. 3735, Quincy, Ill.

THE PURINA POULTRY BOOK, published by Purina Mills, St. Louis, Mo., contains detailed and invaluable information on feeding poultry, poultry diseases, turkey raising, housing, culling, etc. In fact it covers practically every subject on poultry raising.

The Parke, Davis & Co., Desk C-57-D, Detroit, Mich., publish a booklet which tells how to treat your chickens for worms. Write for it.

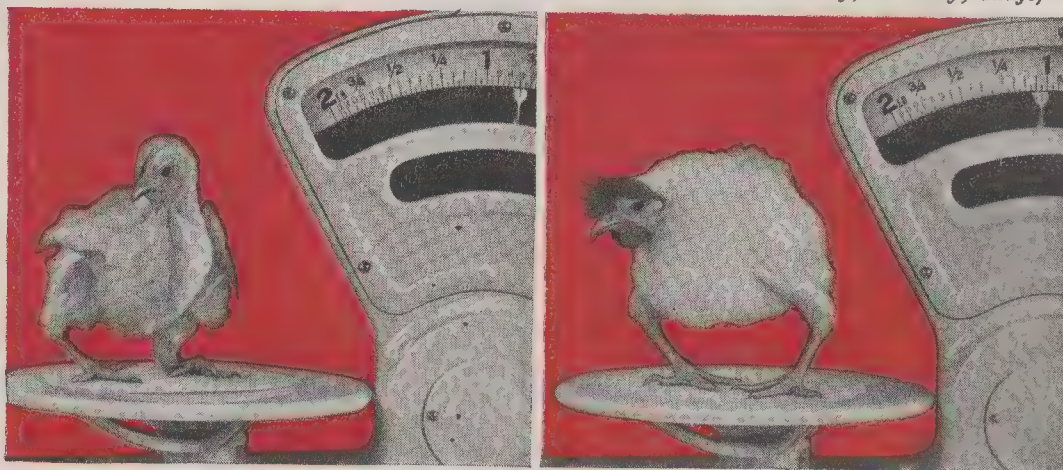
HELPFUL HINTS ON PEDIGREE HATCHING is the title of a circular recently issued by the National Poultry Band Co., Dept. 647, Newport, Ky. A free copy of this circular, which illustrates the various steps essential for success in pedigree work, together with their Big Catalog, will be sent to all interested.

A booklet, listing all kinds of electrical supplies, has been issued by the Lyon Electric Co., Dept. W, Box 1436, San Diego, Calif. It is free. Send for it.

LOOK WHAT HAPPENS WHEN FEED IS NOT MINERAL BALANCED!



Here are birds that had plenty of Vitamin D (no rickets) but show deformity of bone, due to lack of Mineral Balance in feed. (Photos by F. E. Booth Co., Research Laboratory, Berkeley, Calif.)



5000 Chicks From America's Greatest Production Contest Hens FREE to Users of Pratts, the Vitamin-Complete, Mineral-Balanced FOOD

Other feeds may claim to have the same minerals and vitamins as Pratts—but feeds that are only half-right are worthless. One big difference between ordinary starters and Pratts is in the *balancing* of the minerals.

Thus Pratt adds still another vitally important improvement to the baby chick food that the majority of poultrymen has always considered best. Not only the growth and health vitamins, A and B—the natural sunshine vitamin D—but the proper calcium phosphorus “mineral balance” that

insures better digestion, less leg weakness, slipped tendon and other troubles. It has the right selection of digestible proteins and every food element needed to develop strong, thriving chicks. Insist on Pratts because every

mouthful is splendid, nourishing, pure food and because it is *guaranteed* to be mineral balanced and vitamin complete, at the lowest price in history.

We want users of Pratt Feeds to have the finest birds in the country. Therefore, 5000 Pratt Experiment Farm Barred Rock and S. C.

White Leghorn Chicks are offered **FREE** in a contest here described. Every chick is a direct descendant of Contest Hens with Official Records of 225 to over 300 eggs. Of course you would like to introduce these high-producing blood lines into your flock. Read how simple it is:

Insist on a Mineral-Balanced Growing Mash

The starting food's job is soon over. Then rapid, healthy growth depends on the growing mash. Feed Pratts Buttermilk Growing Mash. It too is not only vitamin complete but mineral balanced as well.

185 PRIZES

- 1 Prize of 100 chicks.
- 3 Prizes of 75 chicks.
- 6 Prizes of 50 chicks.
- 175 Prizes of 25 chicks.

Duplicate prizes to be awarded in case of a tie.

Contest Rules

1. Contest is open to any old or new user of Pratts Buttermilk Baby Chick Food, except employees of the Pratt Food Company and their relatives.
2. Send us a simple statement telling why you use Pratts Buttermilk Baby Chick Food. Use no more than 50 words. The shorter the better. The thought counts, not the grammar.
3. Include with your statement the white “Guaranteed Analysis” square (or facsimile of it) from a 50 lb. or 100 lb. bag of Pratts Buttermilk Baby Chick Food.
4. Contest closes April 30th.
5. Free chicks will be shipped to the winners not later than May 15th. The names of winners will be posted in the stores of all Pratt Dealers.

Judges

- Mr. F. L. Platt, Editor, Amer. Poultry Jrl.
- Mr. James T. Huston, Editor, Everybody's Poultry Magazine
- Mr. O. A. Hanke, Editor, Poultry Tribune
- Mr. A. G. Studier, Editor, Waverly Poultry Trio
- Mr. M. J. Sue, Poultry Writer, Philadelphia



BUTTERMILK BABY CHICK FOOD

PRATT FOOD COMPANY

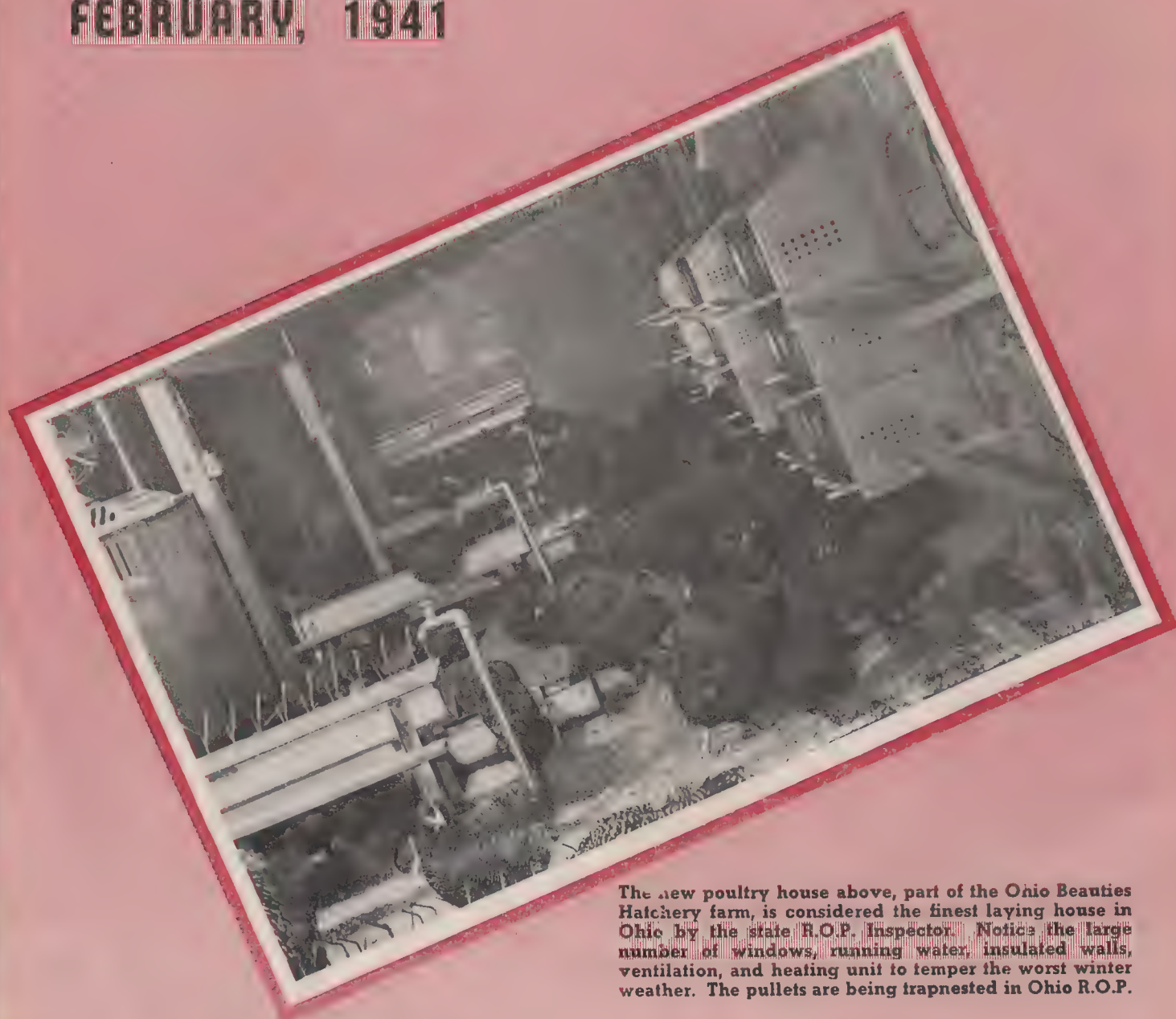


PHILADELPHIA

Pratts also offer a Buttermilk ALL-MASH STARTER AND GROWER for those who prefer this method of feeding

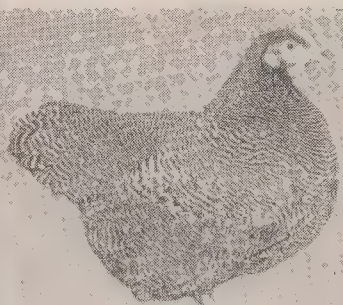
PLYMOUTH ROCK MONTHLY

FEBRUARY, 1941



The new poultry house above, part of the Ohio Beauties Hatchery farm, is considered the finest laying house in Ohio by the state R.O.P. Inspector. Notice the large number of windows, running water, insulated walls, ventilation, and heating unit to temper the worst winter weather. The pullets are being trapnested in Ohio R.O.P.

WAPSIE FARM JUST WON!



1st Pullet and Champion Barred Rock,
Iowa State Show, 1940

At Great Iowa State Show

1st Cock, 2-3 Hen, 1-5-6-7 Ckl., 1-2-5-6
Pullet, 2-3-4 Yg. Trio, Champion Barred
Rock and Best Display Entire Show.

Pens Are Mated

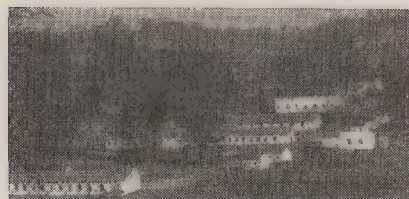
Our First Bunch of Chicks have just
hatched — Boy! are they dandies!

Mating List Is Ready

Have you written for yours?

WAPSIE FARM & HATCHERY Vinton, Iowa

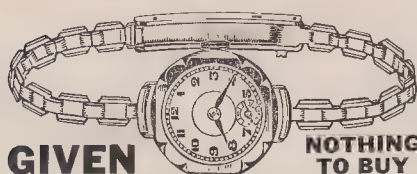
Every Nest A Trapnest



MATINGS READY

Send for chick and egg prices. Our Special
Matings are trapnested. If you really want
quality, write us.

BOLSON'S OAKVIEW POULTRY FARM DECORAH, IOWA



GIVEN

**NOTHING
TO BUY**

Ladies—Lovely Watch about size of a dime. Give away
FREE pictures with White CLOVERINE Brand SALVE for
chaps, shallow cuts, mild burns. Easily sold to friends at
25c a box (with picture free) and remit per catalog.
SPECIAL—Choice of 35 premiums for sending only \$3
collected. 46th year. Be first. Nothing to buy. Write
for order of salve and pictures, postage paid by us.
WILSON CHEM. CO., INC., Dept. 77-R, TYRONE, PA.

The Poultry OUTLOOK

By

The Bureau of Agricultural Economics

The effects on poultry meat supplies of the smaller hatch of chicks in 1940 than in 1939 are becoming increasingly apparent. The increase in receipts of dressed poultry at principal markets over those of a year earlier has been considerably less since early November than during the 3 months ended November 1.

The into-storage movement of poultry since November 1 has been a little larger than a year earlier, and storage stocks of all poultry on December 1 were 25 percent larger than on December 1, 1939. The larger December stocks this year were due mostly to the 43 percent larger stocks of fowl and the 21 percent larger stocks of turkeys. Although production of commercial broilers during the next few months may be larger than a year earlier, the supplies of chicken meat (including fowl) for the first half of 1941 are expected to be 4 or 5 percent smaller than in the first half of 1940.

Chicken prices during the next several months are expected to be higher than a year earlier, as a result of larger consumer incomes, smaller supplies of poultry meat, and smaller supplies of pork. The average price received by farmers for chickens in mid-November was about three-quarters of a cent higher than a year earlier. Turkey prices now are about the same as they were at this time last year, and prices received by farmers for turkeys, are not expected to decline as much during the next several months as they did in the corresponding period a year earlier.

As a result of a smaller increase in the number of layers on farms and a sharper decline than a year earlier in the rate of lay from the record high level of the past few months, egg production in the United States declined slightly more from October to November this year than in the corresponding period of 1939. However, November production still was larger than a year earlier. The net out-of-storage movement for both shell and frozen eggs has increased substantially following the drop in production and apparent continued improvement in consumer demand for eggs. Egg prices have risen considerably, and the feed-egg ratio now is more favorable to producers than it was a year ago. The margin of this year's egg prices over those of a year earlier is expected to continue to widen during the winter and spring because of the prospective smaller supplies of eggs and larger consumer incomes.

The feed-egg ratio is expected to average more favorable to producers than a year earlier during the winter and early spring. As a result more chickens may be raised in 1941 than were raised in 1940.

As a result of a substantial rise in egg prices and some decline in feed costs the feed-egg ratio at Chicago declined considerably in late November and early December.

PLYMOUTH ROCK MONTHLY

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VOLUME XVII

NUMBER 6

February, 1941

Represents the Country's
Leading "Egg and Market" Chicken

O. R. ERNST, Publisher and Editor

PROF. A. C. SMITH, Service Department

C. F. MEGELIN, Chicago Representative
123 W. Madison St.
Telephone Randolph 4780

ELIZABETH STAEHLING, Circulation Mgr.

A. F. DROSTE, Superintendent

CIRCULATION: Composed of independent and hatchery flock owners, and breeders exclusively engaged in raising Plymouth Rocks; also hatcherymen all over the country.

ADVERTISING: A matter of special correspondence. Classified rates found on the classified page.

SUBSCRIPTION: One year, 25 cents; five years, \$1.00. Canada, 50 cents per year; foreign, \$1.00 per year. Reliable representatives in every state.

Entered as second class matter Aug. 6, 1924, in the postoffice at Waverly, Iowa, under the act of March 3, 1879.

FIRE AT COHEN FARM

DURING THE EVENING OF JANUARY 20, fire broke out in the incubator room at David T. Cohen's farm in Guilford, Connecticut, and destroyed his Buckeye Streamliner, separate hatcher, battery brooder, cups, and pedigree equipment. The machine was full of eggs at the time; it wasn't even possible to save a hatch of chicks which was just taken off and ready to ship. The loss was only partly covered by insurance.

Mr. Cohen had gotten home only the day before from the Boston Poultry Show, where his chicks won the Grand Champion Sweepstakes Cup for all classes, all breeds, with a score of 99 points. His Fair Sample Flock won first prize in the Barred Rock Class.

Mr. Cohen will be able to take care of all his customers, for a new Buckeye Streamliner was loaded on a trailer truck the next morning at the factory in Springfield, Ohio, set up in temporary quarters, and eggs were set the following Sunday.

His friends and customers are all sorry to hear of this heavy loss, especially when his strains are getting so well known nationally. He had Barred Rock pens leading their class at three laying contests on January first, and his Reds were leading their class at one contest.

Fostoria, Ohio

Mr. O. R. Ernst
Waverly, Iowa

Dear Mr. Ernst:

I am enclosing circular giving you a peep at Trout farms.

I thought perhaps you might be interested to know regarding the small classified ad that appeared in the January issue of Rock Monthly with the month not half over I have secured 15 inquiries, two for Toulouse geese, three for Andalusians, the balance for Rocks. So it has a pulling power other than Rocks. You may use this statement if you wish.

Respectfully,
JUDGE E. G. TROUT.

Making Poultry Pay

By **MORLEY A. JULL**,
University of Maryland

The Most Profitable Enterprise Is a Combination of Market Eggs, Hatching Eggs, and Baby Chick Production.

THERE is money in the poultry business if one goes about it in the right way. Most poultrymen can be divided into three groups: First, those who are interested primarily in the production of market eggs; second, those who are interested almost exclusively in the production of broilers; and third, those who are interested primarily in turkey production. With good stock and with proper management there is money to be made in each of these branches of the poultry industry. To discuss the problems involved in making money in the three branches of the industry mentioned above would make too long an article.

The most profitable enterprise for the majority of flock owners is a combination of market eggs, hatching eggs, and baby chick production, or a combination of any two of these. As a matter of fact, most flock owners are primarily interested in the production of market eggs, although many of them produce hatching eggs which they sell at a premium and a few of them produce baby chicks. Since market egg production is of interest to a great majority of flock owners, this article is devoted to the problems affecting profits in that branch of the poultry industry.

Market Egg Production

Good stock and efficient management are absolutely necessary in order to make money nowadays in the production of market eggs, particularly since feed prices are relatively high and egg prices are relatively low. There are at least six important factors that determine the profit or labor income that can be obtained from the flock whether it be large or small. These six important factors are:

1. High yearly egg production.
2. High fall egg production.
3. Low mortality.
4. Efficient use of labor.
5. Low overhead costs.
6. Good volume of business.

The most profitable flocks are those that excel in all six of these factors. Some flock owners have good stock that are bred for high egg production but are poor managers and, therefore, do not secure good returns. Other flock owners are efficient managers but do not have good laying stock and, therefore, do not secure good returns. Still other flock owners have good stock and are efficient managers but their overhead costs are too high. A combination of all six factors is necessary if the greatest profits are to be made out of the flock.

High egg production is absolutely essen-

tial in order to secure good earnings from any flock. The pullets raised each year must be from bred-to-lay stock and in order to keep up efficiency of production the flock must be culled regularly, artificial lights should be used during the fall and winter, the best of feeding methods must be practiced, and the flock owner must be on the alert at all times to keep down mortality.

The results of a survey conducted recently in Connecticut have shown a significant relationship between average egg production during the first laying year and the labor income obtained per flock. Those flocks which laid an average of less than 150 eggs per bird produced an average labor income of \$511 per flock. Those flocks that averaged about 165 eggs per bird produced an average labor income of \$1,023 per flock. Those flocks which laid an average of about 185 eggs per bird produced an average labor income of \$1,734 per flock. These figures show very clearly how important it is to secure high average egg production in order to make good labor income.

What most flock owners fail to realize is the need for keeping a flock that is highly efficient in the utilization of feed. The feed cost represents approximately 50 percent of the total cost of producing eggs, so that it is highly important to have a flock that will utilize feed efficiently in transforming it into eggs. This point can be emphasized very clearly by stating that a flock that lays an average of 100 eggs per bird uses an average of 8½ lbs. of feed for each dozen eggs laid. A flock that lays an average of 150 eggs per bird uses about 6 lbs. of feed for each dozen eggs produced. A flock that averages 200 eggs per bird uses only 5 lbs. of feed per dozen of eggs produced. In other words, the higher the average egg production per bird, the fewer pounds of feed required to produce each dozen eggs. Since the average egg production of all flocks in Maryland is only 110 eggs, it is evident that many flocks are being kept at no profit at all. In fact, in many cases there is a loss of money. On the other hand, there are some flocks that make good money because the birds are from a bred-to-lay source, and the management is efficient throughout.

The laying flock should comprise at least 75 percent pullets because pullets will lay on the average about 30 or 40 eggs more per bird than yearling and older hens. A few yearling hens should be kept for breeding purposes, but from the standpoint of producing market eggs as efficiently as possible, the flock should consist of approximately 75 percent pullets.

High Fall Egg Production Essential

The average price of eggs from July 1 to December 31 is usually about six cents per dozen higher than the average price of eggs from January 1 to June 30. It is clear, therefore, that in order to make the highest profits from flocks good fall egg production is necessary. In fact, the more eggs secured during the six months from July 1 to December 31, the greater the profits. The results of the Connecticut survey bring this out quite clearly. Those flocks in which half or more of the total year's egg production was laid between July 1 and December 31 produced a labor income of \$2,158 per farm. On the other hand, those flocks in which less than 40 percent of the total year's egg production was laid between July 1 and December 31 produced a labor income of \$678 per farm.

Pullets should commence laying in September or by the fore part of October. Earliness of sexual maturity is very important. Leghorn pullets should commence laying when they are about 160 to 180 days old, and pullets of the general purpose breeds should commence laying when they are about 170 to 190 days old. Early fall egg production on the part of pullets is very necessary because the hens are usually in heavy molt about that time. The pullets should be well developed when they are placed in the laying house and should be carefully selected.

Low Mortality Increases Profits

During recent years one of the chief obstacles to success in market egg production has been high pullet mortality. High mortality not only means an outright loss of birds, but it also means a loss of feed. It is also important to bear in mind that flocks having a high mortality usually have a lower egg production than flocks having a low mortality.

In Connecticut it was found that those flocks having over 15 percent laying house mortality produced a labor income of only \$616 per flock. Those flocks in which mortality was approximately 10 percent produced a labor income of \$1,545 per flock. On the other hand, those flocks in which the laying house mortality was under 6 percent produced an average labor income of \$2,090 per flock. These figures show the vital importance of keeping mortality down to the minimum. The flock owner must ever be on the alert to watch for any outbreak of disease and remove the cause as quickly as possible. Culling the

(Please turn to page 15)

Over \$15,000 Offered to Laying Test Winners

ABOUT two years ago the makers of Ful-O-Pep Feed put up cash awards to the Egg Laying Contest participants that raised their contest birds on Ful-O-Pep Feeds. At each of the seventeen National Egg Laying Contests they offered \$750.00 if the high pen was raised on Ful-O-Pep Feeds and \$100.00 if the high hen was a Ful-O-Pep raised bird. In addition they offered one cash prize award of \$750.00 to the breeder whose five highest producing pens entered in any or all of the contests made the best livability record provided the birds were raised on Ful-O-Pep Feeds. This made a total slightly over \$15,000.00 offered in cash.

The Winners

The first contest year was completed in October at the close of the Illinois Contest; and they are well started on the second contest year. The following cash awards were paid: \$750.00 to each of the following breeders for having won an egg laying contest:

W. A. Seidel, San Antonio, Texas—Arizona Egg Laying Contest.

Becker's Ravenswood Leghorn Farm, Oxford, Florida—Florida Egg Laying Contest.

Ford's Riverbank Farm, Coopersville, Michigan—Maine Egg Laying Contest.

A. E. Danish, Troy, New York—New York Egg Laying Contest.

Erath Egg Farm, Stephenville, Texas—Texas Egg Laying Contest.

The following breeders had the individual winners at egg laying contests:

Booth Farm Hatchery, Clinton, Missouri—Florida Egg Laying Contest.

Walter Swanson, Elmhurst, Illinois—Illinois Egg Laying Contest.

W. E. Pyle & Son, Maysville, Kentucky—Michigan Egg Laying Contest.

Ford's Riverbank Farm, Coopersville, Michigan—Missouri Egg Laying Contest.

Hosler's Valley Farm, Troy, New York—New York Central Egg Laying Contest.

George A. Pearce, Whitehouse, N. J.—Passaic Egg Laying Contest.

W. A. Seidel, San Antonio, Texas—Texas Egg Laying Contest.

In addition to these winners of contests, a great many other breeders had high pens and high hens for their breed in the contest although they did not win a contest. For instance, at the Passaic County Egg Laying Contest, George A. Pearce had the high New Hampshire hen which also was a new world's record for New Hampshires.

Probably the most startling result of the contest was the result obtained by checking the averages for the poultrymen that entered five or more pens in the egg laying contests. They used all the pens where there were five or more that were all entered under one name. This is different method of figuring, we think, than any of the poultry papers have used. Where the breeder had two or more breeds, they listed the number of pens of each breed.

Out of the 65 breeders that had five or

more pens entered, there were 20 that raised their birds on Ful-O-Pep Feeds. Of these 20 that raised their birds on Ful-O-Pep Feeds, there were eight that were in the first ten on average egg production and six that were in the first ten on livability. The first two in both egg production and in livability were raised on Ful-O-Pep Feeds.

The figures for the first ten on basis of egg production were as follows: those in capital letters used Ful-O-Pep Feeds:

Average per Bird

1. IRVING KAUDER, 249.23—8 pens.
2. SAND SPRINGS, 246.63—5 pens.
3. Parmenter, 246.29—10 pens.
4. A. E. GUINN, 245.03—6 pens.
5. J. A. HANSON, 243.40—10 pens.
6. W. A. SEIDEL, 243.35—8 pens.
7. TOLANI, 242.06—5 pens.
8. GEO. PEARCE, 238.88—2 pens.
9. W. E. PYLES, 238.13—6 pens.
10. W. C. MULLINS, 236.47—6 pens.

Taking the same 65 breeders and making a list of those who had the highest livability, the table is as follows:

1. IRVING KAUDER, 95.81—9 pens.
2. A. E. GUINN, 94.87—6 pens.
3. Coleman, 93.84—5 pens.
4. TOLANI, 92.30—5 pens.
5. GEORGE PEARCE, 91.02—6 pens.
6. Rochelle, 90.76—5 pens.



1st Cock, and 1st Hen, Dec. 1940 at Chicago National Club Meet. Bred and owned by Beau-Site Farm, L. C. Allen, Sanford, Me.

7. T. H. Mettler, 90.00—10 pens.
8. CROOKS, 88.88—9 pens.
9. Cohen, 88.88—9 pens.
10. W. C. MULLINS, 88.46—6 pens.

In both of these tables A. E. Guinn had four pens that were raised on Ful-O-Pep Feeds and two that were not raised on Ful-O-Pep Feeds.

A Wonderful Record

Dr. O. B. Kent, Poultry Service Department of the Quaker Oats Co., makers of Ful-O-Pep Feeds is very jubilant over the very wonderful record that is described here. It tells a wonderful story of their oatmeal base of Ful-O-Pep and the vitamin story of the Dehydrated Cereal Grass that their feeds contain. They say that apparently their breeders are doing a still better job so far in the new contest year.

It is going to be hard for any one to laugh off Ful-O-Pep having eight of the top ten breeders from the standpoint of egg production for the contests that closed this fall. Apparently their breeders are doing a still better job in the current contests than they did last year.

Wisdom Needed at This Time

(By Harry L. Phillips)

COLUMBIAN PLYMOUTH ROCK BREEDERS and those who are actually interested in them have given much attention to exhibition quality and rest on their laurels that they are good layers and never put in official test. I am to have all in one, official eggs layers and exhibition winners. Winners that lay and layers that win.

Let's practice what we preach and write the true facts as our own. Let's show our pullets at some fair or show before sending them to a laying contest.

Then we should send to the contest manager our show reports on the pullets and at the end of the test we would have both records. This test report would also show size of eggs laid as well. It's world competition and most desirable.

Most of the breeders of Columbians are breeders of small flocks but by showing and entering them in tests we would be helping our breed by having facts for our customers. The possibilities are great but unless the breeders wake up and help out by showing, putting in contests and advertising our variety will lag.

It seems too many want something for nothing and that is not the way the old time breeders built up a demand for their breed.

I am sincere as I want the variety to go on and I am proud of the fact that I sponsored the essay contest last year.

Some are making good, one I never heard from others I did. Reports are very promising and some are real fanciers and breeders at heart.

One cannot help but feel the tolerant tone of many letters on the previous very touchy subject, "Prize Winners and Egg Layers."

At the very first I wanted an all purpose fowl and with Columbian Rocks dating back before the world war official contest of 1919-20, 1920-21, Missouri National, Western Washington, 1921-22, 1922-23. These last two years Columbian Rocks were at heights and if I am correct some over 20 pens were in official contests. I think any of the lesser breeds should be given an award where the lay over 200 eggs with points to equal or better.

We breeders of Columbians need to awaken and enter our birds and advertise and that will help our club.

We should breed for quality and production thereby making the beautiful more useful and the useful more beautiful.

IN LOOKING OVER THE TEST REPORTS up to January on White Plymouth Rocks we find that the pen of A. C. Lawton is leading all White Rocks all contests. This flock of many years breeding is giving a good account of themselves.

It's good "profit insurance" for the future.

Ful-O-Pep Raised Hens Win In 1940 National Egg Laying Contests!



8 out of 10 Highest Production Records and 6 out of 10 Highest Livability Records*, were won by Ful-O-Pep raised Hens in 17 National Contests! You too, may raise champion chicks the Ful-O-Pep way, while saving up to 50% on Feed!

*For 5 or more pens entered by one breeder

FUL-O-PEP PRODUCES CHAMPIONS BECAUSE



- 1 Ful-O-Pep's wonderful oatmeal base is nature's prize food for growth!
- 2 Concentrated Spring Range* in Ful-O-Pep supplies many vitamin and protein benefits of fresh spring pasture.
- 3 Ful-O-Pep contains protective elements to combat slipped tendons and cannibalism.

Also with the Ful-O-Pep Plan you may save up to 30% to 50% on feed cost.

*Reg. U. S. Pat. Off.

● **HERE'S THE FEEDING SYSTEM** that built champion layers in the 1940 Egg Laying Contests! Yes, a way that helps you too to raise chicks to healthful, profitable maturity. At the same time you may save up to 30% to 50% on your feed cost. It's the Ful-O-Pep Rearing Plan, a system that helps raise big, husky, profitable pullets—the kind that fill out and stay strong and productive for several years. Begin with Ful-O-Pep Chick Starter. It furnishes your chicks with a balanced diet of oatmeal, nature's prize food for growth, along with other rich sources of vitamins, minerals and proteins such as Concentrated Spring Range. Thus it promotes big frames, sturdy growth, even feathering and sound health. And best of all, the Ful-O-Pep Rearing Plan helps you save as much as 1/2 to 1/2 feeding cost. Remember to see your nearest Ful-O-Pep dealer today. Order your feed requirements now! Send coupon now for new Free Book.

FREE



A gold mine of Free information on chick brooding, care, disease prevention, and how to save up to 50% on feeding pullets to maturity. Yours, Free.

MAIL THIS COUPON NOW!

The Quaker Oats Company, Dept. B-5
Chicago, Illinois

Please rush my Free copy of the NEW 1941 FUL-O-PEP BOOK on How To Succeed with Baby Chicks.

Name

Address

Town.....State.....

Need for Education on Poultry Disease Control

By JOHN G. SALSBERY,
B.S., D.V.M., Iowa State

THE poultry divisions of our colleges teach poultry husbandry—including breeding, feeding, housing, culling, judging, incubation, sanitation, and marketing. Courses in disease are lacking in the poultry husbandry schedule and entirely limited to the college of Veterinary Medicine.

The Veterinary Department of Iowa State College offers its students as much or more work in poultry disease as does any of the other eight veterinary colleges. The instruction directly related to poultry includes six total hours, or two afternoons of anatomy laboratory; thirty-six total hours, or three lectures a week for twelve weeks on disease; and thirty-six hours of laboratory work in diagnosing the ailments of the birds brought in by farmers or from the College poultry department.

Practical Poultry Husbandry Courses Lacking

Of course, the many hours devoted to physiology, bacteriology and parasitology are indirectly related to poultry and furnish a background for medicine in general. However, the veterinary curriculum lacks the practical poultry husbandry courses of management which I mentioned before.

This shows that there is a need of additional education for both the veterinarian and the poultry husbandman. The graduate veterinarian needs practical training in poultry husbandry while the poultry husbandman needs disease information as a part of his training.

There are approximately 25,000 graduate veterinarians in the United States. Of this number only about half are in private practice and many of these specialize in large animal, or in cat and dog work. The other half are employed by the Federal or State Governments or by commercial concerns.

There are 371 million chickens over three months old, according to the last United States census. This means then that each veterinarian would have to guard the health of 30,000 chickens. With an average of 100 chickens per farm you readily can see that it might be a physical impossibility to visit 300 farms with the rest of the work that a practicing veterinarian has to do.

Education Needed

We believe that because of the lack of time, and possibly interest, on the part of the veterinarian, it is only logical that the men to educate further are the poultrymen, hatcherymen, and feed dealers who have had the poultry disease problem forced upon them. When the poultry raiser has trouble, he often blames the hatcheryman or feed man: They get the complaints, and have to meet the situation.

Among the methods that have been



Don't wait till your chicks are sick
to learn what to do for them.

adopted to acquaint poultry people with their poultry disease problems are:

First—The Federal Government issues bulletins and charts on poultry diseases, including their cause, symptoms, post-mortem appearance, diagnosis and a limited amount of information on control and treatment. The Federal Government also has extension workers lecturing to various organized groups.

Second—The State Governments issue bulletins on poultry diseases and do extension service work. Some states, such as Minnesota and Michigan, have veterinarians who devote all their time to disease extension work in poultry.

Third—Articles appearing in current publications serve to educate the poultryman on the nature of diseases. The farm and poultry press represents this field.

Fourth—We and other commercial institutions have an educational program to familiarize the farmer with the cause, diagnosis, prevention and control of poultry diseases.

Information Limited

In the poultry disease schools conducted by our institution we find that the important question in the mind of the poultryman is how to control and treat the various diseases. He wants to know WHAT TO DO. He may know how to diagnose poultry diseases, but this knowledge is of no avail unless he also knows how to prevent and control them.

Some of the educational media mentioned, especially the bulletins, give limited and varying information on the control and treatment of disease. Why is this information so meager, and why are the methods offered so varying?

Because, in the past, little research work has been done in therapeutics. Most of

the federal and state research departments are headed by pathologists who are trained chiefly in the cause and diagnosis of disease. Experimental work is abundant in the field of pathology but is lacking in other equally important veterinary fields, such as surgery, therapeutics, and pharmacodynamics, which is the study of the physiological action of drugs.

We, in our research laboratory, are making a sincere effort to learn the correct therapeutical action of drugs as applied to poultry and our educational program is for the purpose of making these facts known to the poultryman.

Our educational program includes three main divisions: our literature, our schools, and one-day community poultry health clinics. Our Poultry Health News is a bi-monthly publication designed for the education of the dealer. We have other literature for the poultry raiser including our Poultry Health Messenger, a semi-annual consumer magazine, our book called First Aid to Poultry, and a Poultry Health Manual. We strive to have this literature well illustrated, easy to read, and understandable. This is in addition to the advertising program which you carry in your papers, which is of an educational nature also.

Present School Popular

In the past we have had 12 week, 4 week, and 2 week schools, but at present they are one week in length. The one week school seems to be the most popular and practical from the students' standpoint. These schools are designed as a training course for the hatcheryman, feed man, and poultry service man. They are held in Charles City and also throughout the United States from coast to coast, and a nominal charge is made to assure us that the student is interested.

Professor O. J. Weisner, is the head of the schools. He served as Agricultural Extension Poultryman for South Dakota State College for 12 years. Dr. H. M. Lightbody, a graduate of the Iowa State Veterinary College, also teaches in the schools, and since my graduation, I, too, have been associated with them. We have just finished holding the 133rd school, in Oklahoma City.

We do not propose to make poultry veterinarians out of the hatcherymen, feed dealers, and poultry service men who attend our schools. We do, however, hope to teach them something about the cause, diagnosis, control and prevention of the more common poultry diseases so that they can better meet the problems that are brought to them.

We wish to impart a working knowledge of what it takes to meet the poultry mortality problem to the people that have to meet this problem. That is our aim and objective.

RILEY POULTRY FARM CARRIES ON

UNDER THE ABLE MANAGEMENT OF Mrs. Paul G. Riley and Mr. John Sheets the Riley Poultry Farm and Hatchery of Lafayette, Indiana will carry on under the plans and program developed by Mr. Riley subsequent to his death, it was announced.

Mr. Paul G. Riley an outstanding hatcheryman, poultryman and breeder died at his home on December 23, 1940 of a heart attack. He is survived by his parents, his wife, who has been closely associated with him in the business, and three children, Mary Louise a senior at Purdue University, Robert a sophomore at Purdue who is majoring in Poultry Husbandry, and Virginia Lois a senior in high school. Mr. Riley graduated from Purdue in 1917 under A. C. "Chick" Philips. After serving as a 1st Lieutenant in aviation in the World War he became County Agricultural Agent in Indiana, proving to be outstanding in this work.

He became poultry extension specialist at Purdue in 1921 establishing during the next 6 years a record as one of the outstanding extension men in the United States. He then went with Allied Mills, Inc., soon becoming district sales manager. While serving in this capacity he moved to his farm at Lafayette and with the help of Mrs. Riley developed an outstanding poultry breeding farm and hatchery. His skill as a breeder was attested by his showing in R.O.P. work and the winnings of his birds in many egg laying contests; his White Rock pen at Oklahoma having established a new world's record for that breed in 1939-40.

MINNESOTA ASSOCIATION ELECTS OFFICERS

AT THE RECENT MINNESOTA STATE Poultry Show the election of officers was held with the following results:

The President is John McPherson of Bayport; Vice-President, J. J. Luckenmyer, St. Cloud; Second Vice-President, F. E. Cross, Savage; Secretary-Treasurer, Don Devenney, Route 2, Minneapolis. Other business of the association was attended to and arrangements for the 1941 show are under way. They are planning another large show and dates will be announced later.

SMITHSBURG, MD. SHOW

Dark Barred.—R. K. Frey: 1-2 cock, 2 hen, 1-3-4 cockerel, 1-2-3 pullet; R. M. Carson: 3 cock; Nevin Lewis: 4 cock, 5 cockerel; H. D. Hammond: 1 hen, 2 cockerel, 4 pullet; Paul Shockley: 5-6 pullet.

Light Barred.—R. M. Carson: 1-2 cock, 1-2 hen, 3 cockerel; R. K. Frey: 3-4-5 hen, 2 cockerel, 2-3-4 pullet; H. D. Hammond: 1 cockerel, 1 pullet; Joseph Newcomer: 4 cockerel, 5 pullet.

White Rocks.—Alvin Glass: 1 cock, 1 hen, 3 cockerel, 4-6 pullet; Billy Winders: 2 cock; Floyd Gerheart: 3 cock; H. C. Clopper: 2 hen; 1-2-6 cockerel, 5 pullet; Jas. Frey: 3 hen, 3 pullet; Earl Showalter: 4-5 cockerel, 1 pullet; R. K. Frey: 2 pullet.

Best dark male and female, Frey; best barred cock and best display, Frey; best light male, Hammond; best light female, Carson; best White Rock male, Glass; best White female and best bird, Showalter.

WHARTON, TEXAS SHOW

White Rocks.—A. L. Salley: 1 cock, 1-2 hen; Edward Brandt: 1-4 cockerel; R. Warren: 2 cockerel; John Norwood: 3 cockerel; H. E. Williams: 1-2-3-4-5 pullet; Mr. and Mrs. C. W. Winkler: 1 young pen; R. Warren: 2 young pen; Ed. Brandt: 3 young pen; John Norwood: 4 young pen; A. L. Salley: 5 young pen; A. F. Wuthrich: 6 young pen.

Dark Barred Rocks.—One cock, five cockerels, three pullets and three young pens. All awards to J. W. Weaver.

Light Barred Rocks.—Three cockerels, three pullets, three young pens. All awards to V. L. Sandlin.

We had a fine show here this year and are looking forward to a still better one in 1941. Dates for 1941 are Oct. 16-20.

COLORADO SPRINGS SHOW

White Rocks.—Wayne Williams: 1 cock, 1 cockerel. O. O. Schlessinger: 2-3 cock, 1-2 hen, 2-4-5 cockerel, 1-2-5 pullet, 1-2-3 young pen. H. B. Brooks: 4-5 cock; 1-4 hen; 1 old pen. Marland Standish: 5 hen. Mrs. Lou Ingram: 3 cockerel. W. B. Schmidt: 3-4 pullet. Champion cock, cockerel and large poultry of show, Williams. Champion young pen and best display of show, Schlessinger.

A little care will pay big dividends!

THE Dickelman

IS BETTER



HERE'S WHY

The Dickelman is, of course, **rat-proof**, **fire-proof** and **vermin-proof**, but it is more than that. Only in a Dickelman can you get the following exclusive, outstanding features, which reduce losses, bring full feathering, rapid growth and early maturity.

- **3-Way Controlled Ventilation**... Every Dickelman corrugated brooder and poultry house is actually air conditioned for health and comfort. This patented Dickelman feature permits controlled ventilation without drafts. Reduces chances for colds. Our booklet, "What Dickelman Can Do for You" with diagrams, explains the whole interesting story.
- **Sanitation**... The walls in a Dickelman are free from any material which can harbor contamination. Get the details on this important principle, exclusive with Dickelman. Only in a Dickelman can you get perfect sanitation.
- **Strength**... Corrugated walls, another Dickelman exclusive feature, give 21 times the strength of a plain wall. No noise from vibration. Rigid, can be moved many times without harm. Write for details.

FREE CATALOG



Combination brooder house and laying house can be had in lengths and widths to suit your needs.

Corrugated METAL BROODER AND LAYING HOUSES

The real test of a brooder house comes when the poultryman uses it on his own place. Thousands of Dickelman houses are being used by successful poultrymen in forty-two states.

Owners are eloquent in its praise. They tell the story...

RAISE MORE CHICKS

Owners write of **wonderful success** with a Dickelman. Says Mrs. C. F. Weaver, "I lost only 3 chicks from 518 in six weeks." T. S. Townsley writes, "We started 2500 chicks in Dickelman houses; we feel these houses **ideal** for winter broilers."

GROW BETTER BIRDS

The Dickelman corrugated laying house helps keep birds in healthy production. This means **more eggs** and reduced losses. Chas. Wise says, "From 266 hens got 216 eggs on several days in January. Got 190 eggs today from them (March 21)." Mrs. Freeman Hahn writes, "The hatchery said each week we had the **highest percent hatch** of any and our flock is producing the most eggs for its size."

THE DICKELMAN MANUFACTURING CO.
BOX 80 FOREST, OHIO

WHEN HENS ARE LOUSY!



GET THE "BLACK LEAF 40!"

Lice mean loss if you let them stay on your poultry. The same is true of feather mites. "Black Leaf 40" will control these pests for you. You will find full directions on the label.

QUICK • EASY • ECONOMICAL

The cap-brush makes the delousing problem easy.—Just tap the cap-brush along the roost and smear the drops.—While the fowls roost, the fumes rising under the feathers destroy the lice.

Insist on Original Factory Sealed Packages for Full Strength

TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION
INCORPORATED... LOUISVILLE, KENTUCKY

Black Leaf 40

LOOK FOR THE LEAF ON THE PACKAGE

PLEASE MENTION THIS PAPER WHEN WRITING TO ADVERTISERS.

PROPER DEFENSES

One of the best defenses against poor health in poultry is a well balanced ration.

Pilot Brand Oyster Shell is not only perfect egg shell material but an aid to digestion and assimilation.

The big blue pilot wheel, the symbol of purity, is on every bag of Pilot Brand Oyster Shell.



At all Progressive Dealers Everywhere

2

Bushels of Ripe TOMATOES from ONE VINE

2 or 3 vines will produce enough tomatoes for the average family.

New BURGESS CLIMBING TRIP-L-CROP

TOMATO rapidly grows to a height of 10 to 18 feet. Grow on trellis, side of house or barn or as a bush in garden. Beautiful crimson, solid, meaty fruits of best quality, some weighing over 2 lbs. each. The most productive of all tomatoes. Trial packet 10c—3 for 25c, postpaid.

CASH PRIZE CONTEST
Send for FREE Garden Book giving full details about CASH PRIZES to growers of this wonderful tomato.

BURGESS SEED & PLANT CO.
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PARKS BARRED ROCKS

"ONE BREED — BRED RIGHT"
BUY WORLD'S OLDEST LAYING STRAIN. LAID their way into popularity in Laying Contests and in Customers' hands in every State and 17 Foreign lands. **OFFICIALLY** blood tested, R.O.P. State Supervised.

FIRST CHOICE with many Foreign Governments, dozens of Experimental Stations, and thousands of Hatcherymen Breeders and Farmers.

OFFICIALLY blood tested, R.O.P. State Supervised and Progeny Tested.

EGGS — CHICKS — YOUNG & OLD STOCK — PRICED RIGHT

SAVE \$1 per 100 on future chicks by ordering early. Big 1941 Poultry Health Book Free to customers. **FIFTY-SECOND Anniversary "Parks-Strain" Cat. FREE.**

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60 DAYS TRIAL

We make **FALSE TEETH** for you **BY MAIL** from your mouth-impression! **Money-Back GUARANTEE of Satisfaction. FREE!**

FREE impression material, directions, catalog and information. Write today to **U.S. DENTAL CO., Dept. 2-75, Chicago, Ill.**

The Editor's Discussion

Live on the sunny side of the street; shady folks live on the other. I have always preferred the sunshine and have tried to put other people there, if only for an hour or two at a time.—Marshall Wilder.

★ ★ ★

Just a Word to Chick Buyers

☆ IT IS TIME TO GET YOUR ORDER IN FOR THOSE CHICKS that you want, so that you will not be disappointed. It is time to give more consideration to the kind of chicks you are going to buy. It is time to remember that the best is the least expensive.

You are going to buy chicks. No matter what you pay for them, you have to grow them, and it will be some months before they are old enough to be laying. The difference in the beginning between cheap chicks and good chicks is only a matter of a few cents. The cost all through raising them to a laying age if you have good results is practically the same.

So you should look ahead instead of just at the price of the chicks when you buy them. You do not want just chicks, you want and should buy GOOD chicks. Chicks from good stock. Chicks which will grow fast, and that will be the kind that can and will shell out the eggs. That is where the difference comes in between just chicks and chicks from good breeding stock that has been bred well and tested year after year.

You should know that it takes work and effort to produce good chicks. Therefore, when buying chicks, be sure of their ancestry, and be willing to pay the extra price necessary to get the extra quality which you should have.

★ ★ ★

Too Much Heat for Chicks?

☆ EXAMINE A NEWLY HATCHED CHICK AND YOU'LL FIND its entire body is covered with down to the depth of nearly a quarter of an inch — and this down is comparable to the famous eider-down with which the Eskimos line their garments to ward off the intense arctic cold. It doesn't seem right nor reasonable to subject this chick — bountifully endowed as it is by nature to withstand cold — to a 90 to 100 degree temperature during the first weeks of its life. If we take a lesson from the old mother hen with her brood of chicks, we find that the only time they have any heat at all is during the time she hovers them for a few moments to give them a chance to warm up. Aside from these brief intervals they are on the cold, damp ground of spring, with no heat of any sort.

And those are exactly the conditions we should have in our brooder houses — a cool room with high humidity (plenty of moisture), with enough heat under the hover so the chicks can dodge under, get warm quickly, then go back to their business of eating, exercising and growing.

When chicks pile and crowd into the corners of the brooder house, away from the hover, that's a sure sign they are getting too much heat. Just try letting your brooder house cool off in the late afternoon, fix your fire quite late in the evening and you'll find every chick will be under the hover and none in the corners.

BETTER VEGETABLES FOR YOUR ENJOYMENT

UNDOUBTEDLY THE MAIN REASON why vegetables are more popular today than ever before, is because they are of much better quality. Also, the newer sorts are more reliable and are easier to grow so that they are produced in the home garden very satisfactorily. Modern varieties are so much more attractive and palatable than sorts offered a generation ago, that now nearly everyone enjoys them. There are also distinct improvements in many other respects such as earliness, disease resistance, yielding ability, hardiness and longer season of bearing. Marked improvement has been made in practically all vegetables, but space here only permits mentioning a few examples. For instance, not many years ago, beans were so tough and stringy that each pod had to be snapped and the strings pulled out before cooking. The plants matured their pods nearly all at once and soon were through bearing. Now we have varieties with large, tender, meaty pods that are entirely stringless and bear over a long period. One of the new est is Plentiful or Black Bountiful.

In "the good old days," sweet corn was only about one step better than field corn. The recent development of hybrid varieties such as Golden Cross Bantam provides us with corn of wonderful flavor, sweetness, rich coloring, and uniformly large well-filled ears. Our newer varieties of peas produce extremely large pods, well filled with tender fine flavored deep green peas and they yield enormously. The beautiful, symmetrical, smooth richly colored carrots of which Tendersweet is a good example are so attractive and delicious that nearly everyone likes them. A few years ago only a few people cared for carrots. Among cucumbers, slender, dark green sorts with fewer seeds, and a crisp delicate flavor have superseded the older coarse sorts. A & C is an outstanding quality sort of this class. Among muskmelons, several fine new varieties are now offered with superior sweetness, greater depth of flesh, and which are resistant to blight and mildew. Of special mention are Hale's Mildew Resistant, Rock O'Honey (an improved Honey Rock type), and Pride of Wisconsin. Some justly popular watermelons are Dixie Queen, Klondike and Hawkesbury, the latter being strongly wilt resistant.

Tomatoes, one of our most popular vegetables, have received their full share of attention, and there are several new sorts of great value. A very early sort is Bison, which makes a compact plant. For general purpose varieties there are Scarlet Topper and Rutgers, both of which have decided blight resisting ability and are ideal home and market sorts. A newer type is Burgess' Trip-L-Crop Climbing Tomato which may be trained to a stake or trellis and which will grow ten to twenty feet tall. Large clusters of fruit are borne all the way up the plants from early summer until frost. The fruits are large, deep crimson in color and have an exceptionally mild and pleasing flavor. Often one plant produces two or three bushels of fruit.

Among the newer sorts of peppers we have thick meaty, more solid varieties like Windsor A. For years there has been a need for a variety of lettuce that would head up well under ordinary garden culture. The new Imperial 44 seems to have solved this problem. Among onions, the big, mild Riverside Sweet Spanish types are so sweet and keep so well that their popularity is increasing steadily. Owing to war conditions spinach seed is scarce, but fortunately we have good substitutes in Mustard Spinach and Swiss Chard or Spinach Beet, which are very satisfactory in the home garden.

Still the great work of improvement goes merrily on so that we always have something newer and better to look forward to, which adds zest to our gardening efforts and, incidentally, to our appetites.

JUDGE BUCK PASSES

JUDGE FRANK E. BUCK, PRESIDENT OF the Oklahoma State Poultry Federation passed away at his home in Guthrie, Okla., in December. He was active for many years as a judge, breeder and exhibitor.

He had served the A. P. A. as a director from his district and was well known to a large circle of poultrymen in many states.

The whole poultry fraternity will miss him and all will join with us in extending sympathy to Mrs. Buck.

WHY NOT BUILD UP A PRIVATE TRADE for Quality eggs. People are willing to pay more for them because they are worth more. By packing them in nice clean egg cartons make them look like the quality eggs that they are. Self-Locking Carton Co. can supply them.

It's an easy way to answer the ads!

PUTTING WHITE ROCKS



SEXED CHICKS
BABY CHICKS
EGGS
R.O.P. MALES



HEN NO. 83-14, new Official Record at N. J. Poultry Test, 313 Eggs; 325.50 Points.

1940 R.O.P. Averages Just Released by New Hampshire for My White Rocks

Av. per bird... 248 Eggs
Egg Wt. per doz. 25.7 oz.
Pullet Body Wt. 6.23 lbs.
Qualified for ROP 77.2%
LIVABILITY, entire flock under R.O.P. supervision on HEN-HOUSED BASIS 97.3%

USE MY PROVED PROGENY-TESTED BLOODLINES TO BRING YOU REAL IMPROVEMENT for YOUR WHITE ROCKS

Propagated continuously from 3-year old, progeny tested Dams and Sires. Sturdy dual-purpose birds of robust character and appearance. Remarkably uniform type and large body size combined with high egg production, big egg size and fine livability. **KNOWN PERFORMANCE.** My strain leads all White Rocks in highest 8-year R.O.P. averages:

Average R.O.P. Production per Bird..... 236.7
Average Egg Size per dozen..... 25.56 Oz.
Average Pullet Body Size..... 6.56 Lbs.
Qualified for R.O.P..... 55.96%



FIVE FULL-SISTERS in above groups established a New Official Family Record for White Rocks, 1940 New Jersey R.O.P. Progeny Test. Average per bird, 246 Eggs; 251.07 Points. 100% Livability for the entire family.

TWO PENS ENTERED IN THE 1940 EGG LAYING CONTESTS

HIGHEST WHITE ROCK PEN AND HEN at Michigan Egg Laying Contest

Third time my pens have won FIRST, all White Rocks at Michigan. 1940 pen outland next highest pen by more than 21 eggs per bird. Official Record, 2885 Eggs; 2927.60 Points.

BABY CHICKS—SEXED CHICKS EGGS FOR HATCHING

Send for Reasonable Prices

Hatching now. Every mating headed by a family-tested or progeny-tested R.O.P. male from a 3-year old Sire and Dam — PROVED for high livability and high egg production averages. Dams R.O.P. Records, 230 to 331 Eggs. Small deposit books your 1941 order now. Order now and get your choice of shipping dates. Send for reasonable prices on Baby Chicks, Sexed Chicks and Eggs for Hatching.

FREE CATALOG—Write Today

My new catalog tells exactly how my White Rocks are bred. Gives R.O.P. and Official averages for 9 years back. Actual performance facts that help you determine how Rutter White Rocks will produce for you.

Also FREE: "My Method of Brooding Chicks"

EVERETT R. RUTTER FOUR WINDS FARM

Poultry Breeding for 36 Years — Since 1905
DERRY VILLAGE, NEW HAMPSHIRE

HIGHEST WHITE ROCK PEN AND HEN New Jersey R.O.P. Progeny Test

At this progeny test contest, 3 families of 5 full sisters each (total 15 birds) are entered as one pen. All birds are daughters of one sire and three different dams. My pen not only highest White Rocks for the year, but also one of the three highest for all heavy breeds. Official Record, 3266 Eggs; 3339.00 Pts. Family of 5 full-sisters, No. 83-2 established a new White Rock Record of 1232 Eggs; 1255.35 Points. (See photo above.)



PROGENY-TESTED: Daughters averaged 253 Eggs; 25.77 oz. —with 93% Livability

U.S. - NEW HAMPSHIRE PULLORUM CLEAN

E. R. RUTTER,

Derry Village, New Hampshire.

Send free your new catalog and reasonable 1941 Chick and Egg Prices. Also send leaflet describing your method of brooding chicks.

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INCREASE HATCHABILITY 10% TO 20%!

Thousands of poultry raisers and hatchery men all over the country are getting 10% to 20% higher hatchability after using ADM Cold Pressed Wheat Germ Oil in the rations for their breeding flocks. ADM Wheat Germ Oil is the richest natural source of vitamin E, the reproduction vitamin, which is necessary for the production of eggs and chicks.

SEND FOR FREE BOOKLET, "Bigger Livestock and Poultry Profits with Vitamin E". Tells of success of others and gives complete instructions for use. Dept. 2-7.

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TRUEBLOOD'S ZEBRAS

HAVE AGAIN MADE A CLEAN SWEEP of all 1-2-3 prizes and specials in Barred Rock Display, both Exhibition and Production Classes. Best Display Plymouth Rocks, Best Display Am. Class, at all Shows. Best Display Entire Show at Shreveport. Champion Young Pen in all shows. Champion Pullet in all shows. My cash specials at So. Louisiana State, Donaldsonville; Shreveport State Fair, Baton Rouge Rodeo Livestock Poultry Show, E. B. R. Parish Ag. & Poultry Show, nearly \$250.00. After having made 4 shows I won at Oklahoma City: 3-7 cocks, 4 hen, 3 trio. Eggs \$3.00 for 15; \$5.00 for 30. Cockerels \$5.00 up.

SAMUEL L. TRUEBLOOD

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Standard Tractors RIDE OR WALK

GARDEN AND SMALL FARM

Powerful 1 and 2 Cylinder Tractors for Small Farms, Gardeners, Florists, Nurseries, Fruit and Poultrymen.

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Poultrymen find Standard plowing equipment is ideal to get inside fences and turn hard packed runways.

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WINKLER'S CELEBRATED WHITE ROCKS

At the National Meet of the White Rock Club, Topeka, Kans., Jan. 6 to 13, 1941, with a class of 175 birds competing under two judges, our entry of 22 birds, 20 under ribbons as follows: 1-8 Cocks, 1-4-7 Hens, 3-6 Cockerels, 3-4-8-10 Pullets, 1 Old Pen, 1-5 Young Pens, Champion Female, Champion Pen and 3 Best Males of the Meet. They went on to Champion Cock, Champion Hen and Champion Old Pen of entire show with 2,000 birds competing. This stamps them again as "Celebrated" winners along with their great win of 4 out of 6 Firsts at the Western Meet in Oklahoma City last month. They also lay. High Pen of White Rocks at the 18th Oklahoma Egg Laying Contest for the last three months. Write for 1941 mating list.

MR. & MRS. C. W. WINKLER, Lexington, Nebraska

"Premier" U. S. R. O. P.

BARRED PLYMOUTH ROCKS

All breeders wingbanded and pedigreed with dams' records of 200 to 835.

Stock — Eggs for Hatching — Baby Chicks

Write for Illustrated Folder.

WEAVER BREEDING FARM **Nome, Texas**

TOWNSLEY TRAPNEST FARM

and Hatchery, 1-5 Townsley, Owner

Wilmington, Ohio

Box 671R.

WHITE ROCKS

Nine pound "Townsley" hen at N. Y. contest laid 169 eggs. That's market quality plus egg production. Chick hatches every week. Right prices. Get catalog.

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UNIVERSAL CARDBOARD FEEDERS save money—save feed—save chicks. Economical. Sanitary. Millions sold. Dealers everywhere. If your dealer does not have them, mail us \$1 for 18, postpaid.

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Beck's Warm Floor Brooder

brings chicks through at lowest cost

Wonderful, proven colony brooding system for all poultry and broilers. Warm in coldest weather. Safe, sanitary. Takes place of \$50.00 brooder house—capacity 150 chicks. Few cents weekly runs it. Build it yourself, quickly, easily as thousands have. Endorsed by leading poultrymen everywhere. Plans, heater \$4.25 postpaid. Write for illustrated, free folder. R. L. Beck, Box 3-12, Sullivan, Wis.

GET our complete list of Poultry Books and Gardening Books

on any phase of the business. You'll find the books you want and need for greater success. **Book Department, Plymouth Rock Monthly, Waverly, Iowa.**

Rocks in the Tests

THE 25 HIGH BARRED ROCK PENS AFTER THREE MONTHS OF LAYING (92 days)

Breeder and Test	Eggs	Pts.	Alive
*T. N. Wilcox, Georgia.....	1070	1098	13
*Dryden Poultry Farm, Storrs.....	927	920	13
*T. N. Wilcox, Florida.....	883	904	13
Fuzzydale Farm, Storrs.....	927	893	13
P. N. Hibbard, Storrs.....	939	884	13
David T. Cohen, Georgia.....	868	881	13
David T. Cohen, Storrs.....	891	878	13
*J. W. Schiabel, Hunterdon.....	873	858	
*David T. Cohen, Arizona.....	818	850	13
Angus Urquhart, Storrs.....	828	835	13
*Fuzzydale Farm, N. Y. Cent.....	804	835	13
*David T. Cohen, Penna.....	797	826	
*Dryden Poultry Farm, Calif.....	833	816	13
Booth Farm Hatch., Georgia.....	830	810	13
E. B. Farmer, Penna.....	800	808	
*Dryden Poultry Farm, Missouri.....	787	802	13
E. B. Farmer, Calif.....	798	801	13
Dryden Poultry Farm, Penna.....	816	787	
Booth Farms, Missouri.....	749	770	13
*Foster Jameson, Maine.....	721	745	13
*Penn's Farm, Texas.....	751	736	12
*Saline Valley Farm, Mich.....	780	734	12
Missouri Val. Farm, Texas.....	753	720	13
Eben Wood Farm, Maine.....	710	705	13
Dryden Farm, Penna.....	702	722	

*High in respective test in which entered.

TOP BARRED PENS IN OTHER CONTESTS

David T. Cohen, Farmingdale.....	669	694
Ebendwood Farm, R. I.....	625	659
Robt. W. Cook, Okla.....	656	622
Kerr Chickeries, Passaic.....	601	570
*Mapleside Poultry, F., Ill.....	353	297

*Two Months of Laying.

THE 25 HIGH BARRED ROCK HENS AFTER THREE MONTHS OF LAYING

Breeder and Test	Eggs	Pts.
*T. N. Wilcox, Georgia.....	85	91
T. N. Wilcox, Georgia.....	85	91
T. N. Wilcox, Georgia.....	84	91
T. N. Wilcox, Georgia.....	85	89
T. N. Wilcox, Georgia.....	83	89
*David T. Cohen, Arizona.....	81	88
*P. N. Hibbard, Storrs.....	91	87
*Ebenwood Farm, R. I.....	80	86
*Penn's Farm, Texas.....	81	85
*Dryden Farm, Missouri.....	85	85
Dryden Farm, Missouri.....	80	85
R. C. Cobb, Storrs.....	85	85
*Booth Farm, Florida.....	83	84
*Piho Bros., Hunterdon.....	81	84
Dryden Farm, Storrs.....	84	84
Dryden Farm, Storrs.....	84	84
Booth Farm, Missouri.....	82	84
R. C. Cobb, Storrs.....	88	83
Dryden Farm, Missouri.....	78	83
*Foster Jameson, Maine.....	77	83
*Babcock's Hatch., N.Y. Cen.....	80	82
Penn's Farm, Texas.....	78	82
Fuzzydale Farm, N.Y. Cent.....	75	82
T. N. Wilcox, Florida.....	76	82
T. N. Wilcox, Florida.....	75	82

*High in respective test in which entered.

TOP BARRED HENS IN OTHER CONTESTS

Dryden Poultry, B. Farm, Calif.....	76	81
Ebenwood Farm, Passaic.....	74	79
Robt. W. Cook, Okla.....	77	77
Fisher Orchards, Michigan.....	75	79
*Harless Hatchery, Illinois.....	49	50

*Two Months of Laying.

THE 25 HIGH WHITE ROCK PENS AFTER THREE MONTHS OF LAYING

Breeder and Test	Eggs	Pts.	Alive
*Albert C. Lawton, Storrs.....	905	858	13
*Kalerock Farm, R. I.....	811	840	
*Carter-Dunham, Georgia.....	861	830	13
*Carter-Dunham, Texas.....	819	820	13
*Airy View Farm, Hunterdon.....	815	812	
Drum Egg Farm, Georgia.....	801	811	13
Carter-Dunham, Storrs.....	775	791	13
*Gene-Garden Farm, Maine.....	804	774	13
John Spangenberg, Maine.....	770	751	13
Booth Farms, Texas.....	788	747	13
Alfred McMillan, Texas.....	747	716	12
*H. J. Zweier, Penna.....	741	715	
*Mr. and Mrs. Winkler, Okla.....	708	710	13
McDonald Hatchery, Texas.....	687	702	12
Townsley Farm, Georgia.....	699	701	13
*Riley Farm, Mich.....	784	700	13
Hillview Farm, Storrs.....	721	698	13
Drum Egg Farm, Florida.....	711	695	12
Pay-Streak Hatch., Georgia.....	713	692	12
Colonial Farm, Okla.....	667	692	13
Drum Egg Farm, Georgia.....	671	679	12
Donald T. Adams, Maine.....	686	679	12
*Booth Farms, Missouri.....	649	677	13
Pay-Streak Hatch., Florida.....	674	663	13
Frank L. Douglas, Storrs.....	684	662	12

*High in respective tests in which entered.

TOP PENS IN OTHER CONTESTS

Arthur F. Beckman, Farm.....	706	620
E. R. Rutter, N. J. (R.O.P.).....	624	619
Philip S. Davis, N. Y. (C).....	605	593
Pleasant Val. F. H., Passaic.....	462	480
*Belldear Hatchery, Illinois.....	347	351

*Two Months of Laying.

THE 25 HIGH WHITE ROCK HENS AFTER THREE MONTHS OF LAYING

Breeder and Test	Eggs	Pts.
*Lindstrom Hatchery, Georgia.....	87	89
Carter-Dunham, Georgia.....	84	87
Drum Egg Farm, Georgia.....	82	85
*Carter-Dunham, Storrs.....	78	84
Carter-Dunham, Georgia.....	81	83
*Lindstrom Hatchery, Mo.....	83	83
*Kalerock Farm, R. I.....	80	83
Carter-Dunham, Storrs.....	77	81
Kalerock Farm, R. I.....	80	81
*McDonald Hatchery, Texas.....	75	81
Drum Egg Farm, Georgia.....	84	80
Kalerock Farm, R. I.....	79	80
Lindstrom Hatchery, Mo.....	78	80
Carter-Dunham, Texas.....	76	80
Albert C. Lawton, Storrs.....	78	80
*John Spangenberg, Maine.....	78	80
John Spangenberg, Maine.....	78	80
Carter-Dunham, Texas.....	74	80
Lindstrom Hatchery, R. I.....	75	79
Frank L. Douglas, Storrs.....	80	78
*Colonial Farm, Okla.....	74	78
Carter-Dunham, Texas.....	73	78
*Drum Egg Farm, Florida.....	71	77
Lindstrom Hatchery, Mo.....	71	76
Hillview Imperial, Storrs.....	79	77

*High in respective test in which entered.

TOP HENS IN OTHER CONTESTS

Riley Poultry, Michigan.....	84	75
Airy View Farm, Hunterdon.....	75	74
Pleasant V. F. Hat., Passaic.....	67	71
Frank L. Douglas, N.Y. (C).....	73	70
*Belldear Hatchery, Illinois.....	49	53

*Two Months of Laying.

IOWA STATE SHOW

OELWEIN, IOWA

The State show had a goodly number of Plymouth Rocks, Barred, White, Partridge and Buff were well represented.

The show management was good and Oelwein took care of the exhibitors in fine shape. We will soon know where next year's State show will be held and Oelwein has had three very successful shows that they will be announcing their dates for next year.

The Oelwein shows are sponsored by their Chamber of Commerce. Atkins and Monilaw judged.

Dark Barred Rocks.—Wapsie Breeding Farm: 1 cock, 2-3 hen, 1-4-6-7 cockerel, 1-2-5-6-7 pullet, 2-3-4 young trio; T. S. Anderson: 2 cock, 1 hen, 2-3-5 cockerel, 3-4 pullet, 1 young trio; All Light Barred to Wapsie Breeding Farm.

White Rocks.—W. J. Prestien: 1 cock, 1-2 hen, 1-2-4-6 cockerel, 1-2-3-4 pullet, 1 old trio, 1 young trio; C. R. Heath: 3-5 cockerel, 2 young trio.

Buff Rocks.—Don Wellendorf: 1-2 cock, 1 hen, 2-3 cockerel, 2-3-4 pullet, 1 young trio; I. R. Seubert: 1 cockerel, 1 pullet.

Partridge.—Dr. W. J. Pirie: 1 cock, 2 hen, 1 old trio; P. P. Black: 1-4 cockerel; Julius Wegner: 2 cock, 1-3 hen, 2-3 cockerel, 1-2 pullet.

VISITORS AT THE WAPSIE BREEDING FARM

SUNDAY, JAN. 5 WAS A BIG DAY AT the Wapsie Breeding Farm at Vinton, Iowa. Robert Miller and Mrs. Miller had invited a number of poultrymen and judges to visit the farm and look over the birds and then served a fine chicken dinner with all the trimmings.

Mr. Porter Black, Dr. E. H. Dowden, Mr. A. G. Haberkorn, Judge and Mrs. Ed Monilaw, Mr. and Mrs. W. D. Potter, Judge and Mrs. O. R. Ernst and Mr. and Mrs. Whitcomb spent the day and had a real old time chicken feast. Needless to say that we all had a lovely time and were glad to go over the flocks and see the work that is being done.

Mr. Whitcomb of the Vinton Produce Co. owns the farm and the better breeding farm is the result of wanting better poultry marketed.

ODEBOLT, IOWA SHOW

In the White Rock class Harley & Son won 1 cock, 1 hen, 1-2 cockerel, 1-2 pullet; August Karstens: 2 cock, 2 hen; P. S. Gronemeyer: 3 hen, 3-4 pullet; V. E. Gunderson: 3 cock, and he also had all awards on Dark Barred Rocks.

Chicago International a Big Success

At last Chicago is back on the map with a real poultry show. This was made possible by Mr. Geo. Fitterer and a group of interested poultrymen.

The show was held in the main arena at the Stock Yards and had a real representative lot of poultry.

The showing this year was surprising and brought word of commendation from all visiting poultrymen. The attendance was very good making things look like old times. Birds were there from way up east and in fact from all directions.

Now all the people that have been wanting a Chicago show and wondering why there was none will find just what they want and can help make it one of the outstanding shows of the country by being a part of it.

Every breeder should plan an entry for next year's show which will be held at the same place and the dates will be Dec. 11-12-13-14. That follows the International Stock Show and is a good time to be there. They get a lot of publicity at the stock show and the public are in the habit of going there. Your entries will help make the Chicago Poultry Show go and grow.

Dark Barred—Floyd L. Bossingham: 1 cock, 3 hen, 1-4 cockerel, 1 pullet, 1 young pen; Chas. G. Wolf: 2 cock, 4 pullet; T. H. Thompson: 2 hen, 5 pullet; E. J. Acree: 1 hen, 2-3 cockerel, 2-3 pullet; Carl A. Hahn: 5 cockerel.

Light Barred—R. R. Richardson: 3 cock, 1 hen, 4 cockerel, 4-5 pullet, 1 old pen; Chas. G. Wolf: 2 cock, 2 hen; John A. Barnum: 1 cock, 2-3 cockerel; Floyd L. Bossingham: 1 cockerel, 3 pullet; E. J. Acree: 1-2 pullet.

Partridge—Beau-Site Farm: 1 cock, 1-5 hen, 1-4-5 cockerel, 1-3-5 pullet, 1 old pen, 1 young pen; C. A. Browning: 4 cock, 4 hen; D. H. Phenix: 2 cock; N. Orrin Baker: 3 cock, 2 cockerel, 2 pullet, 2 old pen, 2 young pen; E. G. Lapham: 3 hen; F. Gonzales Romance: 2 hen; Roy Whitener: 3 cockerel; Frank Wray: 4 pullet.

Buff—C. T. Kraegel: 1 cock; Arch Shaver: 2 cock, 2 hen, 2 pullet; Jos. Forrest: 3 cock, 5 cockerel; 2 young pen; P. W. Noyes: 1-3 cockerel; Davidson Poultry Farm: 1 hen; Wm. Brown: 4 cockerel, 1 pullet; Mrs. John E. Davis: 2 cockerel; F. Gonzales Romance: 3 pullet; Mrs. Albert Hindman: 1 young pen.

White—Raymond T. Smith: 1-2 cock, 1-2-3-4 hen, 1-2-3 cockerel, 1-3 pullet, 1 old pen, 1 young pen; Dell George: 3 cock, 5 hen, 4 pullet, 2 old pen, 2 young pen; Morris Gilbert: 3 old pen; W. A. Seachinger: 2-5 pullet.

NATIONAL CLUB MEET—PARTRIDGE PLYMOUTH ROCKS—CHICAGO (Cleve Stout, Judge)

Here was one of the nicest classes of Partridge Rock's I have ever seen with extra good quality in each one of the classes. These breeders are showing birds of better size and shape than formerly as I see it, with color that is simply great. I like the way they feather and cover up. Width of feather, so very important and something that I have written pages on in the past in commenting on Barred Rocks is so evident here and beautiful to see. Big wide feathers with beautiful penciling is here in abundance. I have had Judge Frank Wray, of Canada send me sample feathers of his fine pullet that was 4th and he enclosed feathers from her full brother and boy what feathers they are. Mr. Allen of Maine was in with a great team of birds and from his winning cock right on down through the classes he showed excellent quality. Not just a good one or two but good ones in each and every class. First cock, first hen and first cockerel were extra good I thought. It was surely a treat to handle such a class and I hope to see many more such classes in the future. I do not mention several others here because I did not meet them at the show and with no names on coops I am at a loss to know some of the winners in the various classes. However any bird that was anywhere in the money was a good one, with plenty of nice ones unplaced.

BARRED PLYMOUTH ROCKS AT CHICAGO (By Cleve Stout)

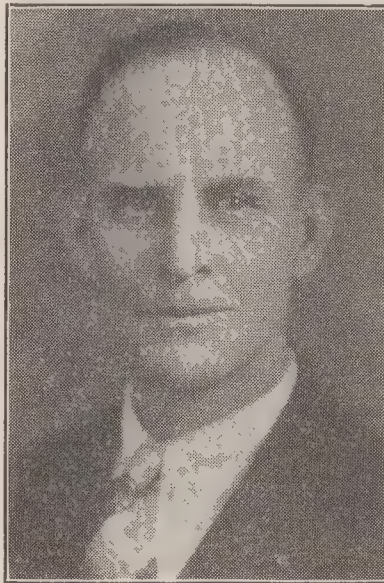
As a general rule the breeders are working toward 1942 in the color of the birds shown here with John Barnum, R. R. Richardson, Carl Hahn, E. J. Acree, Floyd Bossingham, and several others showing some excellent birds. The first three light cockerels were good. Bossingham's 1st was very neat in type with excellent even ringy barring all over. Barnum's 2nd was a dandy too and very rugged with grand

size. John Barnum has bred a lot of mighty good Light Barred Rocks over in Michigan and is a fine fancier to boot. The light pullets were good with Acree winning 1-2 on a very attractive pair of birds with good size, shape and sound color. In the Dark class the cockerels were beautiful with Floyd Bossingham out in front with a very showy male put down in fine condition with very uniform clean-cut barring in every section. You could look at him as far as you could see him and the barring stood out all over him in rings. His shape was of the very best. 2nd cockerel by Acree was a hummer too with that soft blue color Acree produces so well. A bird of good size but not too well finished in hackle and failed in shoulders and back shape to 1st. 3rd was one of the best when better finished but tail was not covered up enough as yet. Just a matter of time with this fellow. 4th was another good one but too busy trying to scrap his neighbor to show to advantage. Carl Hahn showed a very neat cockerel a bit darker than higher winners. Dark pullets were another hot bunch with 1st, 2nd and 3rd all bunched so close you might have taken any one of them and not missed it very far. The winning Light trio by Richardson was made up of grand females and a nice colored male. 1st Dark trio was the usual Bossingham quality all through.

Barred Rocks Are Still Tops

SHIPMENTS TO NATIONAL RED CROSS, to British Government and to U. S. Government since the present world conflict started demonstrates the high esteem of Rocks, and particularly Parks Strain, in time of stress.

At the outbreak of the war the British Government had a shipment of Parks Strain breeding birds sent direct from the Parks Farm at Altoona, Pa., to Palestine for the purpose of building up poultry for food supplies in the Mediterranean and Far East campaign.

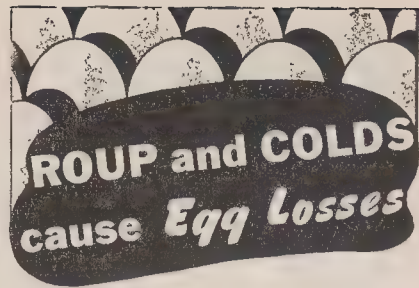


Joe Parks

This past summer a large shipment of breeding stock was purchased from the Parks by the War Department of the United States. They were shipped to the Philippines, another danger spot where efficient food producing poultry and stock is likely to be demanded soon.

Red Cross orders from stricken areas within our own country have come to the Parks Farm this year. This is another testimonial of the all around efficiency and profit making qualities of the Parks Rocks and is a tribute to the breed in general.

Rocks are the top breed in market value and with the egg production the leading breeders like the Parks family are putting into them the Rocks now have a combination for money making that can't be beat.



Spray your hens with Dr. Salsbury's CAN-PHO-SAL

You know what roup or colds can do to your egg production. Spray laying hens regularly with Dr. Salsbury's Can-Pho-Sal—a favorite of Poultry Raisers everywhere. Get a bottle of Dr. Salsbury's Can-Pho-Sal and keep it handy for immediate use. Give your birds the benefit of these medicated vapors.

RID YOUR LAYERS of large round and cecal worms with Dr. Salsbury's AVI-TON—an ideal flock wormer.

See your local dealer who has at his command the diagnosis and research facilities of Dr. Salsbury's Nation-Wide Poultry Health Service.

Dr. Salsbury's Laboratories
Charles City, Iowa

Dr. Salsbury's

CAN-PHO-SAL

A SPRAY + INHALANT

NEW CUSHIONED
Carry-Safe-Egg-Carton

"IT SELLS THE EGGS"

- Molded in one piece.
- No set up required.
- Nested ready to fill.
- Eliminates breakage.
- Low cost.
- Wonderful store display.

Write Today for Samples...Prices

SELF-LOCKING CARTON COMPANY
597 E. Illinois St. • CHICAGO, ILLINOIS



Our Storrs Pen Leading Entire Country for Wh. Rocks January 1st with 905 Eggs, 857.85 Points

7 year R.O.P. results. Average Prod. 230.79 eggs; Average Egg Weight 25.34 oz. per doz. 13 years Mass. Certified Pullorum Clean (without a reactor). All pens mated with Advanced R.O.P. Males. Write for free catalog.

A. C. LAWTON Oak Knoll
FOXBORO, MASS.

DON'T BROOD CHICKS

until you have seen the new LYON Infra-Red Ray Brooder! Reduces chick mortality; reduces the cost of electricity; cuts down or eliminates litter changes; cuts the brooding period; causes quicker feathering; makes a healthier and better looking bird! Free Circular! Write Today!



LYON RURAL ELECTRIC CO.
Dept. W
Greensboro, N. C. San Diego, Calif.

SPEED UP YOUR WING BANDING

Use **"ZIP" and "JIFFY"**

"Zip" is fast, safe, Permanent seal Best R.O.P. Wing Band. 100 \$1.25, 500 \$5.00, 1,000 \$9.00. Pliers \$1.25. "Jiffy" is self-permanent, tamper-proof. Quickly applied. 100 \$1.00, 500 \$4.25, 1,000 \$7.50. Pliers—\$1.00. Prices are postpaid and include Consecutive Numbering. Send for Free Samples and Catalog.

ZIP **JIFFY**

National Band & Tag Co., Dept. 1-127, Newport, Ky.

Trio Buyers' Service Index

If it isn't advertised in this issue write us. We can find it for you.

If you wish information on any of the products or services advertised in this issue check and fill in the index below and mail to TRIO BUYER'S SERVICE, Waverly, Iowa, or if you prefer list the products on a separate sheet or on a penny postal, and mail to us. No obligation, of course.

★ Advertised in this issue	Page or Last Issue Advertised
Commercial Products	
.....Ace Mfg. & Sales Co.....	Oct.
.....American Electric Inc. Co.....	Dec.
★.....Anderson Box Co.....	13
★.....Archer-Daniels-Midland Co.....	9
.....Automatic Electric Mfg. Co.....	Nov.
★.....Burgess Seed & Plant Co.....	8
★.....Beck, R. L.....	10
★.....Belle City Incubator.....	13
★.....Bolens.....	13
.....Burrell Dugger Co.....	Jan.
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.....K-R-O Co.....	Nov.
★.....Lyon Electric Co.....	11
★.....National Band & Tag Co.....	11
.....Northwestern Yeast Co.....	Dec.
★.....Oyster Shell Prod.....	8
★.....Phelan Brooder Co.....	12
.....Poultry Equipment Engineers.....	Dec.
.....Pratt Food Co.....	Oct.
.....Production Labs., Inc.....	Sept.
★.....Putnam, I.....	13
★.....Quaker Oats Co.....	5
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★.....Standard Engine Co.....	10
.....Sterling Tobacco Powder Co.....	Nov.
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Sign and Return With Checked Index

Name

Address

The OPEN FORUM

My White Rock pullets have laid 70 to 81% all winter. I never use as breeders any birds which are underweight or that have neck molt or winter pause.

This winter I have not had any that showed neck molt—which pretty well convinces me that this neck molt is hereditary to some extent and can be pretty well eliminated by careful selective breeding.

It is pretty discouraging to have a bunch of pullets go into a neck molt right when egg prices are highest and I think we White Rock breeders have a chance to greatly improve our breed. My experience has been that by keeping our breeds up to standard weight that the 6 to 7 pound pullet will keep right on laying while the small ones will not.

E. L. HILGREN.

ANDERSON OFFERS HOME-BUILT ELECTRIC HOVER

THE EQUIPMENT DIVISION OF THE Anderson Box Company, Indianapolis, Indiana, offers through dealers a new electric unit in which all the proven principles of their well-known "Nu-Air" electric hover are included.

The Anderson "Nu-Airette" is a complete electric unit consisting of enclosed 1000 watt heating element, thermostat control including micro switch, dust proof fan, pilot and attraction light. This unit fits readily into a home-made hover for which complete plans are furnished with each purchase of the "Nu-Airette" unit.

Thus, a fine electric brooder at a low price with fan conditioned air, low operating costs, and no fire hazard is possible for those poultry men who are willing to build their own hovers.

IMPORTANT NOTICE!

THE OFFICE OF THE SECRETARY-Treasurer of Hatchery Section, Missouri State Poultry Association is being moved to Kansas City, Missouri.

The new address is 4050 Broadway, Kansas City, Missouri. This change of address will be in effect at once.

FRED CROSBY, Secretary

WINKLER'S EXHIBITION ROCKS LAY AT TESTS

It has often been stated that birds bred for the show room will not lay so to satisfy the buying public and the desire to know just how they will stand up against the other entries at egg laying contests we entered one pen of our celebrated White Rocks at the 18th Oklahoma Egg Laying Contest, Stillwater, Okla. We just received the report for the month of October and are pleased to announce that our entry is high White Rock pen of the contest and sixth place in the fifty entries of the contest. In the chart showing the individual weights of the pullets in the contest our entry is the heaviest weighing an average of 5.95 pounds. This is a good quality inasmuch as the birds are nearer to the standard weights than any of the other breeds. I have often felt that it takes a bird of good size to stand the pressure when it is put to work.

PLYMOUTH ROCK MONTHLY DRAWS WELL FOR DUNHAM

WE RECEIVED A LETTER RECENTLY from Earl C. Dunham of Carter-Dunham Breeder Hatchery, in which he says:

"You may be assured that we will use plenty of space in your magazine since your cooperation has been so fine. Our inquiries indicate that P. R. M. is drawing as well as a larger and much more expensive paper in the East."

CUSTOMERS LIKE IT!

IT OPERATES 100 PERCENT AND HAS perfect automatic heat control. The Phelan is the only brooder that has given uniform heat, which is so very important. It has so many good points. They operate so successfully and require so little attention. -G. F. Harrison, Madisonville, Ohio.

We had splendid success with the Phelan brooder stove. Lost scarcely any chicks from the 400 and they grew so fast.—Mrs. Bert Braden, Custer, S. Dak.

HURRY ALONG AND MAKE OUT THAT order for your shrubbery—plants and vegetable seeds if you have not already done so. Fresh vegetables, fine flowers and beautiful shrubbery for your yard or farm will be the result.



In addition to making a new World Record for Barred Rock livability, all birds entered, five pens or more, in 1940 contests — 93.85%, we also had the highest 1940 livability for any breeding farm in the U. S. with Rocks and Reds in laying contests, five pens or more — 91.5%. Rocks leading class in three contests to Dec 1; new free catalog gives high R.O.P. hen-housed flock averages, official flock reduction figures low as 12% for mortality plus culls. U. S. Certified R.O.P. sired chicks at reasonable prices.

DAVID T. COHEN

BOX B

GUILFORD, CONN.

COLLINS & RIPPER U. S. R.O.P. WHITE ROCKS

Breeders of White Rocks past 26 years. 14 Years of Trapnesting and progeny test breeding, with High Official Egg Laying Records. All Matings are U. S. R.O.P. and U. S. Certified.

CHICKS — EGGS —
10-12 WEEK OLD COCKERELS
Free Mating List.

COLLINS & RIPPER

BOX L

SEYMOUR, IOWA

The Phelan Brooder



Will furnish more heat, uses less fuel; requires no cleaning of the burner; no fumes or gases in the brooder room; heat automatically controlled.

Write for new low prices and information.

PHELAN BROODER CO.
727 Wright Bldg.
Oklahoma City, Okla.

FIRST DISPLAY

OF WHITE PLYMOUTH ROCK NATIONAL MEET and also of entire Kansas State Show, January 6-11, was won by Majestic White Rocks. Also three best females by one exhibitor. Grand Champion Bird of Show of White Rock National Meet, Dec. 2-5, 1939 at Caledonia, Minn., was a Majestic White Rock. Grand Champion Bird at Denver, Dec. 2-5, 1940 and Champion Pen of American Class at Oklahoma State Show, Dec. 5-9, 1940 were Majestic White Rocks. They'll win for you.

MR. & MRS. FLOYD CRIST QUINTER, KANSAS

Millers Barred Rocks

15 Years Breeding—Winners for Many Years
Nice Barring, Quick Feathering, High Production
of Big Eggs.

Cockerels — Baby Chicks — Hatching Eggs
Write for prices.

JOHN A. MILLER, R. 1, Ashland, Nebr.

WALLACE'S
Paywell

R.O.P. BARRED ROCKS

means big body and egg size, volume, vigor. Baby chicks, hatching eggs, breeding cockerels for sale. Catalog free.

R. C. E. WALLACE, Box 5, Lafayette, Ind.

POPHAMS BARRED ROCKS

STILL SUPREME both in the shows and the egg basket. Shipping lots of eggs in January. At Southern Zone Meet at Memphis won 11 firsts out of 12. At National Meet at Pittsburgh on eight entries won two firsts, one second, one third, one fourth, one fifth and one 7th. Stock for sale at all times at reasonable prices.

MRS. CHAS. E. POPHAM
CHARLESTON ILLINOIS

NationalColumbian Rock Club Notes

1940 has passed and 1941 is now here with us, so as your treasurer I feel it my duty to give you a report of the club's financial standing.

Receipts	\$16.00
Disbursements	11.56
Balance Jan. 1, 1940	\$ 4.44
Receipts	
Dues	\$16.00
Disbursements	
Subscriptions—P. R. M.	\$ 2.14
Postage	6.67
Rosettes	2.75
	\$11.56

The National Meet of the club was held at the Pittsburgh Show January 6-11. The entries were not as numerous as they were at Boston last year but no doubt the last minute switch because of the cancellation of the Detroit show had a bearing on that. Let us all band together with renewed vigor and get the ball rolling for our next meet and make it bigger and better than ever.

Mrs. J. W. Williams, wife of President Williams covered the show for us and did it well and in a prompt manner. We really appreciate your favor Mrs. Williams and may we have the opportunity to return the favor some day.

Mrs. Williams attended the show on Tuesday, January 7 and sent me a list of winnings in the single classes as the trios were not judged till the next day. She has since sent in the trio awards which were forwarded to her, on request. The classes and awards were: J. W. Williams: 1 cock, 2 hen, 2 cockerel, 1-2 pullet; John J. Naas: 2 cock, 1 hen, 3 cockerel; Stanley H. Gaida: 3 cock, 3 hen, 1 cockerel, 5 pullet, 1 young trio; J. E. Holm: 4 cock, 4 hen, 4 cockerel; Raymond Carbin: 5 cockerel; Mrs. C. W. Reynolds: 3 pullet; W. J. Seyfried: 4 pullet; best shape and color male, 1 cockerel; best shape and color female, 1 pullet.

Mr. S. S. Raymond of Connecticut sent in his dues for 1941 and a cash special of \$2.00 for the best Columbian at Pittsburgh which arrived just a bit too late to appear in last month's notes.

I have just recently been advised that Mr. C. E. Twombly of Massachusetts passed away Sept. 27, 1940. Mr. Twombly was a veteran among poultry and pigeon fanciers and will be missed by all those who knew him. The entire membership of this club deeply sympathizes with all members of his family at the time of their great loss and sorrow.

PRESIDENT
J. W. Williams, 533 Morris Pike,
Phillipsburg, N. J.

SECRETARY-TREASURER
Stanley H. Gaida, Box 115, Millers Falls,
Mass.

Partridge Rock Club Notes

SOME PARTRIDGE ROCK COMMENTS

The Chicago National Meet is now a matter of history. The total of 26 single entries and 4 trios does not compare very favorable in numbers with the 153 birds shown at the Atlanta, Georgia, meet in October 1939, but needless to say there were many fine specimens at Chicago aside from what exhibits were made by the undersigned.

Judge Cleve Stout has promised to send a report on the classes to Plymouth Rock Monthly.

One Partridge Rock exhibitor and his wife became a little jumpy to realize they were en route to the show on Friday the 13th. Lo and behold, their hotel room was on the 13th floor and numbered 1313. But no ill effects resulted.

Best Partridge Rock shown went to 1st hen, she also taking best Pencilled Female honors. 1st cockerel won the best surface colored male award.

There were nine exhibitors from six states, Canada and Cuba.

Among those present in Partridge Rock aisle Saturday, Dec. 14th were: E. G. Lapman, Elkhart, Ind.; Clarence M. Gebhart, Hagerstown,

Ind.; Harry Atkins, Davenport, Iowa; Lawrence Allen and wife, Sanford, Maine; and several real fanciers in the other Plymouth Rock classes, particularly some of the Partridge Wyandotte men who also held their National Meet at Chicago. Among the latter were P. O. Schneider of Lake Elmo, Minn., and W. J. Heyman of Neph, Minn. N. Orrin Baker, Leland, Ill. was present the previous evening, Dec. 13th, and a real turnout of Partridge admirers was expected for Sunday, Dec. 15th.

Speaking of National Club Meets, it would seem that by careful advance planning there would be over one hundred entries at the least, assuming that the show chosen offers something worth striving for in prizes, as well as offering nationally known judges. Inasmuch as Indianapolis had our National Meet in December 1936; Harrisburg, Jan. 1938; Boston in January, 1939; Atlanta in October, 1939, and Chicago in December, 1940, it seems only fair and proper that the next National Partridge Rock Meet should come back to the Northeast, perhaps Rochester, N. Y. or Boston, Mass. At least let us get the full details from such shows before voting next time. And you fanciers and breeders who have only shown at your own home-state show, why not hereafter trot your birds out to the National Meet no matter where it is held? By 1945 there should be enough Partridge Rocks on the far west coast to warrant a National Meet there; and we certainly want to help Boston celebrate its 100th anniversary show in 1949. One Atlanta man is urging the next meet there, but let's be fair in spacing the National meets in various parts of the country.

L. C. ALLEN,

POULTRY SHOWS desiring to have the Club Meet for 1941 should mail requests to the Secretary promptly, who will have them placed before our members at the annual meeting.

To Our Members: 1941 is here and if you have not received your membership card for this year, your secretary will be glad to exchange one for the \$1.00 dues now payable.—C. A. Browning, Secretary.

CLUB OFFICERS

Dr. W. J. Pirie, President
Springville, Iowa

Charles A. Browning, Sec'y-Treas.
246 Centerville Rd.
Apponaug, Rhode Island

HOW IS THIS FOR A RECORD?

E. R. Rutter, Derry Village, N. H., has been making records for a long while but his 1939-40 record is one that is hard to beat. These White Rocks of his have been traveling at a fast pace both in making records and in traveling over the country to find new homes and help other breeders.

His new high record was 77.2% of all birds entered qualified for R.O.P. Highest White Rock Pen and Hen in both contests entered. Three times winner at Michigan, high hen, 324 eggs. At the New Jersey Progeny test highest White Rock family (full sisters), an all-time record. High hen, 325 points. These 1939-40 records constitute a new world's record for the breed and the following figures give you the complete story: original number entered R.O.P., 298; number qualified, 229; percent qualified, 77.2; number qualified 200-249 eggs, 113; number qualified 250 or over, 116; average egg weight, 25.70 oz.; average body weight, 6.23 lbs.; average production, 248.19 eggs; total mortality for entire year, 2.70%.

Mr. Rutter has every reason to feel highly gratified and all White Rock raisers should feel the same way of the records made by their chosen breed.

They should join with Plymouth Rock Monthly in congratulations.

The Rutter farm raises thousands of these fine birds every year and last year shipped 500 of these fine birds to one state where they were distributed to various poultrymen. A couple of years ago at the Neppco exposition held in New York his display won quite an attraction during the week and carried much favorable comment.

THE QUAKER OATS CO., DEPT. A5 Chicago, Ill., have their new book out "How to Succeed with Baby Chicks". This is a remarkably helpful book and will be mailed to all who write them for a copy.

**"We consistently feed
STONEMO
Granite Grit
to our birds.
Look at their
Egg Records"
Irving Kauder
NEW YORK**



WHEN a man consistently wins in the Egg Contests plus high honors for Livability, as well as Production, how he does it is of greatest interest to other poultrymen.

STONEMO Granite Grit has been part of Mr. Kauder's feeding program for years. Make it a part of yours. STONEMO promotes better digestibility and health with consequent higher percentages of Production and Livability.

STONEMO is sold only on a money-back guarantee. Ask your Dealer.




STONE MOUNTAIN GRIT CO. INC.
LITHONIA, GEORGIA

BEAUTIES FOR PROFIT

Ohio Beauties' Barred Rocks have swell profits plus snappy looks: but we have no chicks for sale. Write for names of hatcheries offering chicks from this stock, or ask your local hatchery. An Ohio R.O.P. farm with excellent records. Some pullets and cockerels for sale later on.

OHIO BEAUTIES HATCHERY
Box 11 Versailles, Ohio

BOLENS GARDEN TRACTORS



Write for description new models. Nine sizes—Power Hoes at \$79.50 to heavy duty Hi-Wheels pulling 10" and 12" plows. Equipment for cultivating, seeding, plowing, spraying, mowing, snow removal, etc. Time Payment Plan. **BOLENS**, 2143 Park St., Port Washington, Wis.

BROODER \$4.80

For \$4.80, including heater, you can make the simplest, most satisfactory, and best brooder ever made. No tools needed but knife and shears. Wind-proof, fire-proof, fool-proof. Thousands in use. Directions for making easy to follow. Send 10c for plans.

I. PUTNAM Route 204-B **ELMIRA, N. Y.**

ONLY \$1.75



E-CON-O
JR.

LOW COST Electric BROODERS

FROM \$1.75 TO \$39.50

Brood your chicks the safe, low cost modern way... with Electricity. Insist on a genuine **ANDERSON E-CON-O Electric Brooder**. Priced to fit your pocketbook... from \$1.75 to \$39.50. Mail card for **FREE Catalog**. Tells complete story.

ANDERSON BOX COMPANY
DEPT. 102 INDIANAPOLIS, INDIANA

Champion Belle City Incubators

Hot Water and Electric — 45 to 2100 sizes. Hatch duck, turkey, bantam, hen, game bird eggs. All-Electric Cabinet Incubators. Electric and Oil Brooders. Guaranteed. Low prices. Catalog free.

Belle City Incubator Co., Box 59F, Racine, Wis.

You'll find them full of opportunities!

Busy Business Builders

Rate Information

The Table of Rates is based on 5¢ a word each insertion 1, 2, or 3 insertions; 4¢ a word each insertion for 4 or more consecutive insertions. 15 words or \$1.00 is minimum Ad accepted.

TRIO RATES ON REQUEST

When sending in copy for Plymouth Rock Monthly BUSY BUSINESS BUILDERS, write plainly or use clipping of ad run elsewhere. Indicate key number. Initials, numbers, name and address count as words. Always specify CLASSIFICATION, whether changing or renewing ad. After writing ad, count the words and find corresponding number of words in the table at right; then send remittance for number of insertions desired. See box of RATE INFORMATION if more than four insertions are desired.

To Insure Appearance in Our March Issue, Copy Should Reach Us by February 15.

MAIL COPY TO PLYMOUTH ROCK MONTHLY, WAVERLY, IOWA
REMITTANCE IN FULL MUST ACCOMPANY YOUR ORDER

Table of Rates

Words	One time	Four times
20.....	\$1.00	\$3.20
21.....	1.05	3.36
22.....	1.10	3.52
23.....	1.15	3.68
24.....	1.20	3.84
25.....	1.25	4.00
26.....	1.30	4.16
27.....	1.35	4.32
28.....	1.40	4.48
29.....	1.45	4.64
30.....	1.50	4.80
35.....	1.75	5.60
40.....	2.00	6.40
50.....	2.50	8.00

5¢ a word each insertion 1, 2, and 3 times; 4¢ a word each insertion four times or more.

BARRED PLYMOUTH ROCKS

EXHIBITION-PRODUCTION LIGHT AND DARK Barred Rock Cockerels. Check our consecutive winnings, Nebraska State Fair. G. C. Pellatz, Ceresco, Nebr. P-4

BODENSTAB'S "ARISTOCRAT" EXHIBITION, AND Parks Production pens. Eggs and Chicks. Inquiries solicited. Arnold Bodensstab, Sweet Springs, Mo. P-2

BUFF PLYMOUTH ROCKS

BUFF ROCK WINNERS AT NEW YORK, BOSTON, Chicago. Stock, eggs. Hank Kennedy, Chippewa Falls, Wisconsin. P-4

BUFF ROCK EGGS — WORLD CONGRESS GRAND Championship. Setting three dollars. Dr. Kilpatrick, Tippecanoe City, Ohio. P-2

BUFF ROCK CHICKS AND MAMMOTH WHITE Pekin Duck eggs, both from prize-winning stock. Mrs. Charley Mendenhall, Newcastle, Ind., R. R. No. 2. P-5

COLUMBIAN PLYMOUTH ROCKS

OUR COLUMBIANS ARE AGAIN CLUB MEET Champions. Shape and Color Special Male, Best Display. Eggs. Stanley Galda, Millers Falls, Mass. P-5

COLUMBIAN ROCKS — STATE FAIR WINNERS. Great Layers. Choice Breeders. Wonderful baby chicks. Chase Farms, Box R, Walkill, N. Y. P-7

SOMETHING TO CROW ABOUT: PHILLIPS' STRAIN —America's Foremost Columbian Rocks. Best by official test, lays large eggs. I bred my own Contest Pens—last two never equaled. Don't be fooled by false statement. Get Breeding Pens and Hatching Eggs that please direct. Deposit on booking. Redwood City, Calif. P-4

WHITE PLYMOUTH ROCKS

OUR WHITE ROCKS MAKE SENSATIONAL WIN at Ohio State Fair. Champion Female, Grand Champion White Rock, Best Display. Stock, Eggs, Chicks. Trout Farms, Fostoria, Ohio. A.P.A. General Judge. Y-P-9

"MISSOURI'S FINEST" WHITE PLYMOUTH Rocks. Bloodtested; healthy; purebred. Prompt delivery, f.o.b. hatchery. \$6.50. Pullets \$8.50. Cockerels \$6.50. Catalog. Garden City Hatchery, Garden City, Mo. P-7

OUR WHITE ROCKS, BLUE ANDALUSIANS AND Toulouse Geese are described in our Circular. Trout Farms, Fostoria, Ohio. Licensed General Judge P-12

IMPERIAL WHITE ROCKS — JUST TO GET acquainted we will give 100 chicks (our choice) Free with 100 Imperial Mating chicks ordered soon for 1941 delivery. No finer White Rock Blood in America, we believe. American Poultry Congress and Egg Laying Contest Winners. Catalog free. Sexed or unsexed chicks cheap. Jim Moore, Breeder, Route 7-132, Ottumwa, Iowa. —3

RUTTER STRAIN WHITE ROCKS. ALL BREEDERS R.O.P. or R.O.P. Sired. All Breeders Standard weight and over. Eggs, Chicks priced reasonable. E. Hilgren, Anselmo, Nebr. P-2

SUPERIOR QUALITY WHITE ROCKS. GIANT type. Eggs \$10.00 Case. Milo Hughes, Clarinda, Iowa. P-5

STANDARD BRED WHITE ROCKS FROM 200-275 egg dams. Pedigree pen mating eggs. Also stock. Reasonable. I. J. Coy, Tippecanoe City, Ohio. P-3

WHITE ROCKS — RUTTER'S R.O.P. MALES HEAD-ed my pens and flock past five seasons. Pen females pedigreed, Rutter direct. Under State Supervision. Also Outstanding Exhibition Mating. Arthur Meyer, Holstein, Iowa. P-5

HARLEY & SON, OSKALOOSA, IOWA, HAVE ONE of Iowa's leading exhibition and production flocks. Order eggs from living winners now. P-2

PARTRIDGE PLYMOUTH ROCKS

CHAMPION MALE AT 1940 NEW ENGLAND MEET at Portland, Maine, owned and bred by C. A. Browning, Apponaug, R. I. —2

OUR PARTRIDGE ROCKS WIN ALL SIX FIRSTS at Chicago National Meet, December 1940. A few bargain trios. Grand Egg Value Folder. Beau-Six Farm, L. C. Allen, Sanford, Maine. P-4

AUSTRALORPS

WHITE AUSTRALORPS — JUST TO GET AC-quainted we will include 100 chicks (our choice) Free with each 100 Imperial Matings ordered soon for Spring 1941 delivery. We won all 1sts at World's Fair and last World's Poultry Congress. Fine layers (364 eggs in 365 days by Black). Good meat. Nationwide demand. Get started now. Sexed or unsexed chicks cheap. Get catalog free. Jim Moore, Breeder, Route 7-130, Ottumwa Iowa —3

SILVER PENCILLED ROCKS

SILVER PENCILLED ROCKS. STOCK. EGGS. Oak Hill Poultry Farms, Brockton, Mass. P-7

BABY CHICKS

CHICKS — 6 HYBRIDS — 12 PUREBREDS — GET offer of 100 Chicks Free to customers plus big catalog in colors. Standard Grade, Unsexed \$5.40 up. Pullets or Cockerels. Chicks cheap. Ken Ballew, Poultryman, Box 8-162, Shenandoah, Iowa. —4

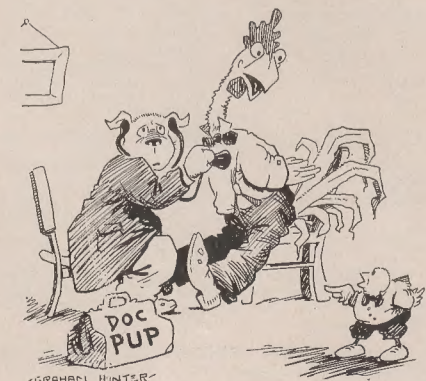
RABBITS

RAISE RABBITS, READ THE AMERICAN RABBIT Journal and learn how. Monthly, illustrated. 12 months subscription, \$1 with free booklet on rabbit raising. Sample 15c. American Rabbit Journal, Box A, Warren-ton Mo. P-7

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BARRED ROCKS KEEP WINNING

ALL WHO HAVE BEEN INTERESTED IN Barred Rocks for many years have watched the record made by Mrs. Chas. Popham and have noticed how consistently year after year she has gone out and always has brought home her share of the awards. This year is no different for at the recent National Barred Rock meet at Pittsburgh she won Dark Barred 1 cock, 3 pullet, 1 young pen and in the Lights 3 hen, 4 cockerel and 1 pullet. Mrs. Popham has shown over a wide part of the country and in many different shows.

TRUEBLOOD HAS FINE RECORD

SAMUEL L. TRUEBLOOD HAS HAD A fine record this season with his Zebra Barred Rocks. In making five shows he has made Best Barred Rock Displays in both exhibition and production as he has shown at Shreveport, Donaldsonville, Baton Rouge, Paris and has shown at the great show that was held in Oklahoma City in December, where he won 3-7 cock, 4 hen and 3 trio.

He has had his flock retested for pullorum and not a bird thrown out. This makes six years of testing and all clean years.

Making Poultry Pay

(Continued from page 3)

flock repeatedly will help to reduce losses from mortality.

Efficient Use of Labor

Many flock owners do not realize the time wasted in looking after a flock where there are few if any modern facilities available. The laying houses should be conveniently located and the flock owner should organize his work very carefully. The building should be well equipped and everything possible should be done so that the labor in looking after the birds is utilized as efficiently as possible. Inefficient working methods often result in irregular feeding and irregular watering. Too many flock owners fail to realize that one day's neglect may do so much harm to the flock that it will take a week or ten days for it to recover and get back to a normal level of egg production. A lack of an adequate watering system in the laying house means a great waste of time in carrying water. Poorly arranged laying houses and improperly equipped laying houses often result in wastage of time in feeding the layers, gathering the eggs, and keeping the litter dry. As a matter of fact, the higher the cost of feed and the lower the price of eggs, the greater the need for efficiency in egg production and, therefore, the greater the need for efficient flock management. Well planned working methods, a well arranged building, the right type of equipment, and a good business set-up make it possible for one man to look after as many as 1,500 birds and do a very efficient job.

Keeping Overhead Costs Low

The overhead costs in keeping a laying flock include such items as taxes, interest on the investment, depreciation of buildings, repairs and upkeep, and other items. In some cases the initial investment in buildings is excessive so that the charges for interest on the investment and depreciation are also excessive. While it is very necessary to have good buildings, it is merely wasteful to have buildings that are too expensive. Keeping the overhead costs reasonably low promotes efficiency.

Importance of Good Volume of Business

One of the greatest difficulties under which the owners of small-sized flocks labor is that their volume of business is so small that they have to market their eggs in the local community in which case the price is usually lower than the average city price and much lower than the price for the top class of eggs in the better eastern markets. Small-sized flocks and small volume of business are great handicaps. One way to overcome this, of course, is to market the eggs through a cooperative enterprise such as the Westminster Egg Auction, Westminster, Maryland. Producers who sell their eggs through the Westminster Egg Auction secure considerably

higher prices than the Baltimore and other nearby market quotations.

It is possible to increase the volume of business done on many farm flocks, however, by producing hatching eggs for the hatcheries in the community. Some flock owners are also in a position to increase their volume of business by producing baby chicks. The selling of hatching eggs increases the returns because a premium over the price of market eggs should always be paid for hatching eggs. As a matter of fact, the hatchery operator can usually afford to pay a good premium if the flock owner is cooperating in a good poultry breeding and selection program in addition to having his flock tested officially for pullorum disease. Producing hatching eggs or baby chicks is a good way of increasing profits.

Finally, it might be said that experience over a period of years has shown very clearly that those flock owners who keep good records are usually the ones who make the most money in the poultry business. Careful records of the more important overhead costs, feed consumed, cost of raising the pullets, and other items should be kept in addition to some records on the amount of labor used in looking after the flock. Keeping a few essential records will enable every flock owner to manage his flock more efficiently and thus increase his profits.

JOIN THE BARRED ROCK CLUB — NOW!

TO THE R.O.P. AND PRODUCTION breeders when the question of changing the standard was being agitated the R.O.P. and Productive Breeders were very active for the change. But after the change was made as they wanted it very few if any of them have joined the club. This seems hardly fair after gaining their point. Now please come along and let's make the Barred Rock Club the greatest ever. You owe it to yourselves and the club. The price is only \$1.00 per year. Let's cooperate.

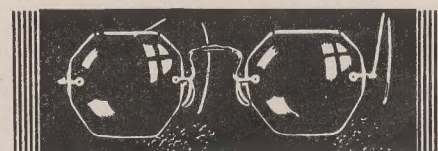
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Bantam Record Book—Anyone taking up Bantam breeding needs this book. Every item of record provided for in specially ruled pages, with suitably printed headings. Patent ring binding, flat opening. \$1.25 postpaid.

Check Books Wanted and Send in Today!

Book Dept., Plymouth Rock Monthly, Waverly, Iowa

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